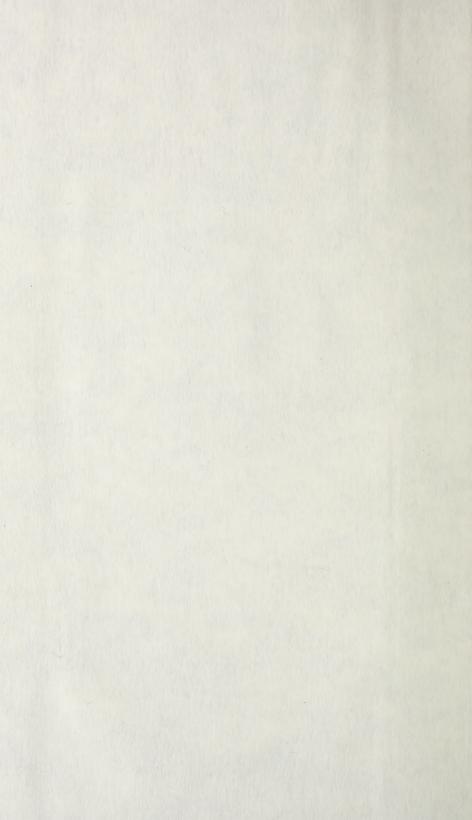


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YEAR BOOK

GC 977.2 IN2YE, 1921

OF THE

State of Indiana

FOR THE YEAR
1921

Compiled and Published under the Direction of WARREN T. McCRAY

GOVERNOR

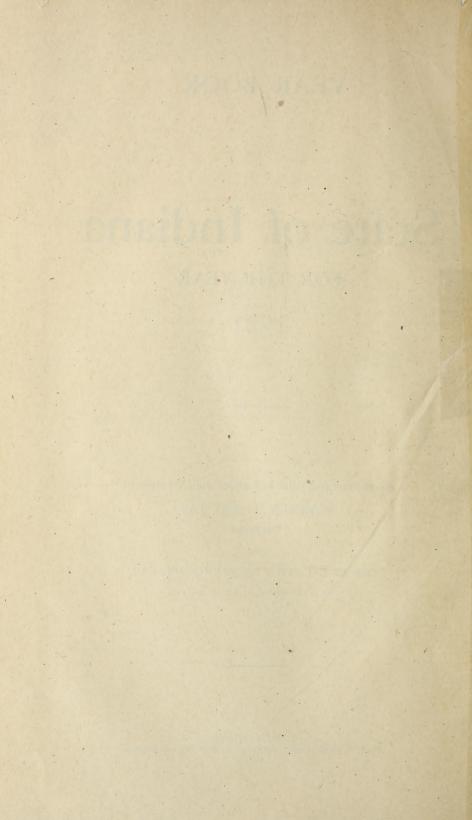
BY

THE LEGISLATIVE REFERENCE BUREAU

CHARLES KETTLEBOROUGH, Director

INDIANAPOLIS:

WM. B. BURFORD, CONTRACTOR FOR STATE PRINTING AND BINDING 1922



INTRODUCTION

The Indiana Year Book was provided for and established by an act approved February 24, 1917, and is compiled, published and distributed under the direction of the Governor by the Legislative Reference Bureau. The Year Book is designed to present in a concise and compact form the essential parts of the annual official reports of all of the state offices. boards, commissions, departments, bureaus and institutions, except the educational, benevolent and correctional institutions, whose official reports are issued separately, together with selected information, data and statistics concerning the State of Indiana, its people, resources, government, crops and economic and social conditions. Aside from the institutional re-Ports and special departmental bulletins of a technical or scientific char-Ecter, no official reports or statistical or other state manuals except those herein contained are published. The first volume of the Year Book was issued in 1918; the present volume, which is the fifth of the series, covers the fiscal year ending September 30, 1921. Each office, board, commission, bureau or department maintained wholly or partly by state funds is required to submit a report to the Governor not later than December 1st. setting forth the duties, functions, personnel, expenditures, income and the character and extent of the achievements and activities of the department during the fiscal year last preceding. These reports are then edited and standardized for publication by the Legislative Reference Bureau. As the Year Book is designed as a manual of the state government, it is hoped that copies may be made available to public officials, newspapers, libraries, schools, colleges and citizens of the state generally. As 12,000 copies of the 1921 Year Book have been issued, persons who are interested may obtain copies free of charge by applying in person or by mail to the Legislative Reference Bureau, Room 335, State House, Indianapolis.

WARREN T. McCRAY, Governor of the State of Indiana.

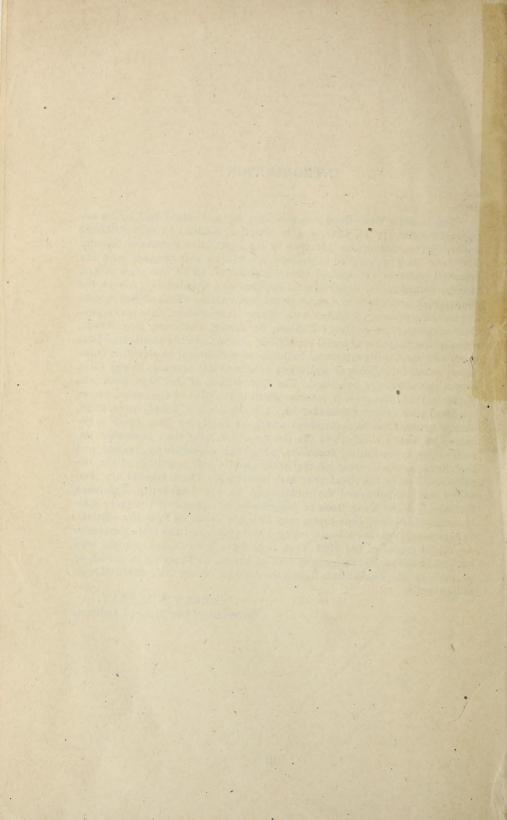


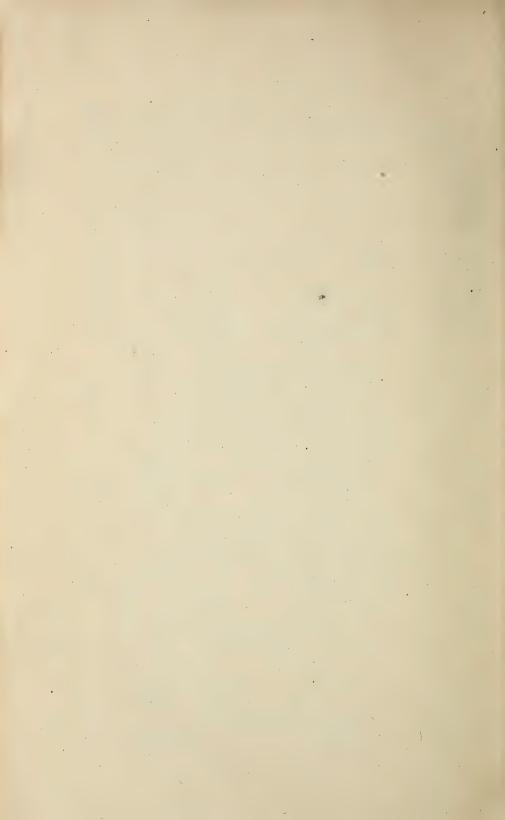
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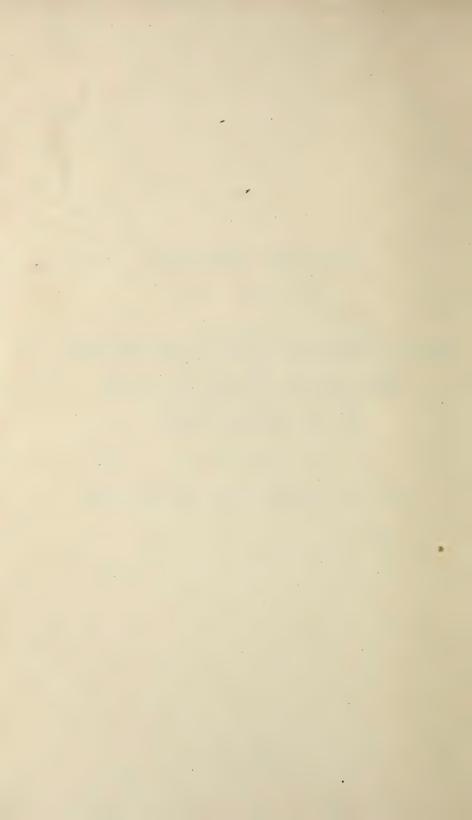
ANNUAL REPORTS

OF

State Officers, Departments, Bureaus, Boards and Commissions

FOR THE

Fiscal Year Ending September 30, 1921



REPORT OF SECRETARY OF STATE

OFFICERS AND ASSISTANTS

ED JACKSON, Secretary of State.
P. H. WOLFARD, Deputy Secretary of State.
FRANK DENIUS, Assistant Deputy Secretary of State.
ELIZABETH D. MASON, Stenographer.
FLOSSIE G. COLLINS, Cashier.

The Secretary of State is elected for a term of two years by the electors of the state, and his term of office is from November 27, 1920, to November 27, 1922. He is ex-officio member of the Bank Charter Board, Board of Public Buildings and Grounds, Board of Public Printing and the Securities Commission. He is charged with the publication and sale of the acts of the General Assembly and the drainage laws of the state, also the sale of the Supreme and Appellate Court reports.

The principal source of revenue in the Department of State is the filing of articles of incorporation of domestic companies and the licensing of foreign corporations to transact business within the state. The amount of fees received from these and other sources for the fiscal year ending September 30, 1921, will be found in the following table:

Jen onding copromiser ou, activities and the remaining	, ,	•
Domestic Corporation Fees\$2		
Foreign Corporation Fees	80,626	96
Miscellaneous Certificates	231	50
Notary Public Commissions	4,975	00
Official Commissions	406	20
Warrants on Requisitions	285	00
Trade Mark Registrations	218	00
Fertilizer Licenses	50	00
Certified Copies of Records	1,835	60
Domestic Corporation Reports	4,027	50
Foreign Corporation Reports	806	00
Sale of Court Reports	6,872	00
Lobby Licenses	190	00
Sale of Acts of Legislature	353	25
Miscellaneous Fees	1,968	44
-		

The following table represents the appropriations made by the legislature for the expenses of the office and the amounts expended from said appropriations:

	Appropriation	Expense	Balance
Salary Secretary of State	. \$6,500 00	\$6,500 00	
Salary Deputy Secretary of State	. 3,000 00	3,000 00	
Salary Assistant Deputy	. 2,000 00	2,000 00	
Salary Stenographer	. 1,200 00	1,200 00	
Office Expense	. 1,000 00	947 17	52 83
Distribution Public Documents	. 250 00	250 00	
Distribution Court Reports	250 00	123 86	126 14
Special Recording	. 600 00	600 00	
	\$14,800 00	\$14,621 03	\$178 97

REPORT OF THE SECURITIES COMMISSION

THE COMMISSION

ED JACKSON, Secretary of State. U. S. LESH, Attorney-General. ORA DAVIES, Treasurer of State.

THE ADMINISTRATIVE DEPARTMENT

MAURICE L. MENDENHALL, Administrator. HERMAN B. GRAY, Assistant Administrator. HERBERT J. MILLIES, Auditor. JENNIE V. LAMB, License Clerk. MARGARET FERGUSON, Stenographer.

At the special session of the Indiana General Assembly, held in the summer of 1920, a so-called "Blue Sky Law" was enacted, the law being designed to regulate the sale of securities with the hope that the sale of worthless stocks and bonds might be eliminated.

New legislation generally admits of improvement, and Indiana's first blue sky law was no exception. While this law was a step in the right direction, attempts to administer it disclosed many weaknesses and proved the law unworkable in many respects.

Realizing that the law enacted by the special session would not afford the protection nor bring about the results expected of it, the Securities Commission and its administrative department set about to prepare necessary amendments. Before starting the work of preparing these amendments, a careful study was made of all the blue sky laws of the various states; much time was spent in going over the rules, regulations and court decisions affecting the same. The problems encountered in the administration of Indiana's first blue sky law were taken into consideration.

The result of all of these investigations was embodied in the amendments which were prepared and submitted to the legislature by the Commission. Eighteen of the twenty-two sections of the Indiana law were amended. The effect of the amendments was to give to Indiana practically an entirely new blue sky law—one which has been recognized as one of the best in the United States.

Indiana's present blue sky law passed both houses of the General Assembly on third reading without a dissenting vote. Too much praise cannot be given the individual members composing this General Assembly for the splendid co-operation with this department on that occasion. The original law became operative November 13, 1920—the amended law on March 9, 1921.

THE PURPOSE OF THE LAW

The public should always bear in mind that the only purpose of a blue sky law is to prevent fraud in the sale of securities. In order to prevent fraud in this connection, agencies of government have been set up and have been cloaked with sufficient police power to obtain this end.

In administering a law of this character, it is always a problem to adopt such rules and regulations, establish such standards, make such investigations and demand such information as to give those charged with the administration of the law sufficient information to pass upon the securities in an intelligent manner, in this manner minimizing the opportunity for fraud in the promotion of companies and the sale of their securities. The problem also demands that the procedure be such that it will not make requirements that will work a serious hardship on business or result in the useless disclosure to the public of valuable trade secrets and confidential information.

In exacting information upon which to make decisions as to whether or not the securities should be approved, the department has attempted to strike a happy medium and demand such information as would safeguard the rights of the public and at the same time not handicap legitimate business.

No securities law, however efficiently administered, can guarantee the future of any business. Business depression, lack of orders, bad management, fires and numerous other misfortunes may and do cause the failures of businesses which have been approved by the most competent and careful securities commissions, but corporations whose issues have been certificated by securities commissions should be free from fraud, and the purchaser of these securities should be given an honest chance to win on his investment.

ADMINISTRATION

The administration of the Indiana law has been handled by a force of five persons. In this connection it is interesting to note that the Indiana law is administered with less than one-half the number of employes engaged in the administration of a law in any other state having a like amount of business. Investigations of this subject disclose the fact that as many as fifty-three persons are engaged in the administration of securities laws of other states.

The Indiana securities law is self-sustaining. In fact, besides paying the salaries of employes and other general expense, and purchasing office furniture, typewriters, equipment, stationery, stamps and printing, the receipts provided a surplus of several thousand dollars, which reverted to the general fund of the state treasury at the close of the last fiscal year.

The law provides for a system of application fees which are filed with the department by the applicant along with his application. These fees are used to pay expenses of the department and any balance so remaining after the close of the fiscal year in excess of a \$10,000 working capital reverts to the general fund of the state treasury.

FINANCIAL STATEMENT

An itemized statement of the receipts and disbursements of this department from the date the first law became operative, November 13, 1920, up to and including September 30, 1921, is as follows:

SUMMARY OF RECEIPTS AND DISBURSEMENTS FOR YEAR ENDING SEP-TEMBER 30, 1921

Receipts—
Filing Fees
Disbursements—
Payroll \$7,597 04
Legal proceedings
Equipment, office
Printing
Postage
Stationery, supplies, etc
Examinations
Balance October 1, 1921
\$32,316 00 \$32,316 00

The total amount of applications received, rejected and approved is as follows:

Number of issuers' and dealers' applications received	 533
Number of issuers' and dealers' applications pending	 29
Number of issuers' and dealers' applications rejected and revoked	 78
Number of agents' and salesmen's applications received	 2,027
Number of agents' and salesmen's applications rejected	 20
Number of companies claiming exemption	 234

The receipts of this department for this year are much less than they will be during the coming year on account of the increased fees provided for in the Securities Law amended and approved on March 9, 1921.

AUTOMOBILE DEPARTMENT

ROAD FUND

H. D. McCLELLAND, Manager. FRANK A. RICHARDS, Assistant Manager. JOHN PARRETT, Auditor. C. F. BILLS, Chief Clerk. WILLIAM H. PEIRCE, Rating Clerk. M. W. PERSHING, Rating Clerk. A. E. HAWKINS, Shipping Clerk. CLYDE HIRST, Delivery Clerk. RAY THOMPSON, Delivery Clerk. JOSEPH BROYLES, Clerk. INEZ FLECK, Cashier. IVA LEONARD, Assistant Cashier. MARY L. LESLEY, Trouble Clerk. R. R. SINGLETON, Rating Clerk. NORMA JOLLIFFE, Stenographer. FANNIE STEPHENSON, Rating Clerk. MARY NEWELL, Rating Clerk. ROSA O'NEAL, Mail Cashier. LUELLA GRAHAM, Mail Cashier. ANNA WEAVER, File Clerk. ELIZABETH KNOTTS, Stenographer.

MARY LOVELL, Notary Public. JESSIE KENNEDY, Typist. EFFIE McGREW, File Clerk. LOIS TRITTIPO, P. D. X. Operator.

CERTIFICATE OF TITLE DEPARTMENT

AUTO THEFT FUND

ROBERT HUMES, Chief State Police. L. CUNNINGHAM, Inspector. MELVIN LANE, Supply Clerk. MAY CURLEY, File Clerk. ALMA SCHOTT, Typist. NONA TOMPKINS, Notary Public. ALICE WIRTS, Typist. JENNIE OBTOVER, Typist. LELA WACHSTETTER, Typist. MARIE STEINMETZ, Typist. LOLA RONK, Typist. HELEN NEFF, Typist. MILDRED SIMPSON, Typist. ELSIE HOMAN, Typist. MARJORY PHILLIPS, Typist. INEZ WORDEN, Stenographer. RAYMOND FELD, Stenographer. JANE LAWTON, Mail Cashier. MILDRED HOOKER, Mail Cashier. NAOMI GARRIOTT, Mail Cashier. LILLIAN BERKLEY, Number Clerk. PHOEBE J. BONNER, Information Clerk.

REGISTRATION OF MOTOR VEHICLES

Every person who is the owner of a motor vehicle is required to register with the Secretary of State by making application on blanks furnished for that purpose, giving his name, post office and street or rural address and the county in which he lives. He must give the name of his motor vehicle, year in which it was made, model, engine number, serial number, number of cylinders, size of bore, horse power, and the number of his certificate of title. He is then required to sign the application and have his signature acknowledged by a notary public or other officer authorized to administer oaths. A certificate is given the owner as evidence of ownership of the license, and the same is to be displayed in a metal container to be furnished by the Secretary of State for fee of fifty cents. The container must be attached in the driver's compartment of the motor vehicle, or carried in the tool box or other receptacle in a motorcycle. Upon payment of the proper fee, metal license plates are furnished the owner, which must be displayed on both the front and the rear of motor vehicle. All licenses expire on the 31st day of December and must be renewed annually.

License numbers preceded by the letter "M" are issued to manufacturers and dealers and are to be used on all cars used for demonstrating and testing purposes only. Service cars and motor vehicles used by individuals for personal use require the regular license plates.

Licenses are issued for motorcycles in the same manner, the applicant giving a description of the motorcycle on proper blanks furnished for that purpose. However, only one license plate is issued for each

motorcycle and the number is preceded by the letter "X."

Chauffeurs' licenses are issued upon receipt of proper application accompanied by two photographs of the applicant. The application must also be signed by two disinterested persons, certifying as to the good character of the applicant.

Licenses may be transferred from one car to another when owned by the same person, but under no circumstances are they transferable from one owner to another.

In case a license plate is lost, stolen, mutilated or destroyed, a duplicate may be secured by making application on proper blank. Fee \$1.00.

Rebates will be granted on licenses for the unearned portion of the fee, when the motor vehicle has been disposed of and the owner does not desire to have the plates transferred to another car, provided the license plates are returned to the Secretary of State marked "for rebate" and accompanied by properly executed application for rebate.

Two file systems are maintained for the convenience of the public, one being numerical according to numbers of licenses issued, and the other alphabetically arranged by counties.

The 1919 General Assembly amended Section 6 of the 1913 Motor Vehicle Law, thereby providing a separate classification for trucks and trailers. Application for trucks and delivery car licenses should be made on a distinctive form for that purpose and the fees are applied according to the carrying capacity of the truck or delivery car. Trailer licenses are secured by application on a distinctive form and the fees are based on the carrying capacity of the trailer. No truck or trailer of more than seven and one-half tons capacity is permitted on the highways of the state.

The legislature also passed an act creating a State Highway Commission, providing for the construction, reconstruction, maintenance, repair and control of public highways. This act also provides that the net revenue derived from license fees shall, on and after January 1, 1920, be turned over to the State Highway Fund to be used for road construction and repairs.

The following table gives the schedule of annual registration and license fees applicable to motor vehicles according to horsepower and tonnage capacity, agreeable to an act of the General Assembly of 1921:

PASSENGER CARS

Electrics (other	than	trucks)		 	 \$5 00
Less than 25-hor	rsepowe	r		 	 5 00
25-horsepower a	nd less	than	40-horsepower	 	 8 00
40-horsepower a	nd less	than	50-horsepower	 	 20 00
50-horsepower of	r more			 	 30 00

TRUCKS

Less than one ton capacity	\$6 0	0
1 ton capacity and less than 2 tons	15 0	0
2 tons capacity and less than 3½ tons	25 0	0
3½ tons capacity and less than 5 tons	50 0	0
5 tons capacity and not exceeding 7½ tons	75 0	0

No truck of more than 71/2 tons capacity will be permitted on the highways of the state.

TRAILERS

Less than one ton capacity	\$3	00
1 ton capacity and less than 2 tons		
2 tons capacity and less than 5 tons		
5 tons capacity and not exceeding 7½ tons	20	00

No trailer of more than 71/2 tons capacity will be permitted on the highways of the state.

MISCELLANEOUS

Manufacturers' and dealers' licenses	25	00
Additional duplicate dealer's license plates, per set	1	00
Motorcycle license	2	00
Chauffeur's license	2	00
Duplicate lost, stolen or mutilated license plates	1	00

The above fees apply to all applications except for duplicate license plates, made prior to August 1st of each year. After August 1st the license fee is one-half the above rates.

AUTOMOBILE LICENSE DEPARTMENT STATISTICS

Statement of Receipts and Disbursements of the Road Fund Nine Months Period from January 1st to September 30th, 1921.

RECEIPTS

Passenger cars	\$1,862,969	66
Trucks	389,862	2 50
Dealers' licenses	36,87	5 00
Motorcycle licenses	13,49	3 00
Chauffeurs' licenses	17,888	5 00
Trailer licenses	6,095	3 50
Duplicate license plates	13,129	00
Transfers	36,91	1 50
*Notary fees	1,94	5 00

DISBURSEMENTS

Fixed Charges	
Tags and badges\$61,396 95	
Rebates 11,792 29	
Production of the Control of the Con	\$73,189 24

	Current Expenses
Salaries	\$28,811 83
Postage	18,066 91
Printing and supplies	5,872 26
Office fixtures	3,354 51
Office expense	964 42

57,609 93

Total disbursements

.\$130,259 17

Issuing cost of licenses, not including Fixed Charges, 13.85c each.

^{*}Notary fees, previously turned into the General Fund, were made a part of the Road Fund by Act of 1921 General Assembly.

TOTAL RECEIPTS AND DISBURSEMENTS AND DISTRIBUTION

Automobile License Department-1914 to 1921

Year	Receipts	Disbursements	Distribution
1914	\$432,301 57	\$51,201 56	\$381,104 02
1915	598,113 72	51,640 00	546,473 72
1916	825,847 18	69,149 57	756,697 61
1917	1,109,113 26	68,756 95	1,040,356 31
1918	1,307,134 31	86,301 87	1,220,832 44
1919	1,568,657 44	107,214 27	1,461,443 17
1920	2,029,103 00	110,046 08	*1,919,798 67
1921	\$2,379,170 16	‡130,259 17	†2,305,545 46

Distribution was made to the State Highway Fund for 1920 and 1921.

NUMBER OF LICENSES ISSUED.

1914 to 1921

Year	Automobiles	Trucks	Dealers	Motorcycles	Chauffeurs	Trailers
1914	66,410		511	10,403	2,769	
1915	96,615		727	11,225	3,099	
1916	139,117		997	11,217	4,362	
1917	192,195	٠	1,121	10,315	5,063	
1918	227,160		990	9,112	4,642	
1919	277,255		1,192	8,895	6,410	
1920	294,338	31,654	1,537	8,664	9,382	
*1921	348,820	41,609	1,547	7,292	10,191	1,761

CERTIFICATE OF TITLE DEPARTMENT

The General Assembly of 1921 enacted a law providing that no certificate of registration of any motor vehicle or license plates shall be issued by the Secretary of State, unless the applicant be granted an official Certificate of Title for such motor vehicle. Application for certificate of title shall be on blank form provided for that purpose, and shall be acknowledged before a notary public or other officer empowered to administer oaths, and shall contain a full description of the motor vehicle and of any liens or encumbrances upon said motor vehicle. The Secretary of State shall use reasonable diligence in ascertaining whether or not the facts stated in said application for certificate of title are true, and if satisfied that the applicant is the lawful owner or is otherwise entitled to have same registered in his name, he shall thereupon issue an appropriate certificate of title. Said certificate of title shall contain the name and address of the applicant and a full description of the motor vehicle together with a statement of any liens or encumbrances which the application may show to be thereon. Space is provided on the reverse side of the certificate of title for assignment of the motor vehicle when the same is sold or traded. The fee for such certificate of title is fifty cents. The certificate of title is valid so long as the motor vehicle is owned by the person whose name appears on such certificate. When the motor vehicle is disposed of, the holder

^{*}Period from January 1 to September 30, 1920.

[†]Fiscal year from October 1, 1920, to September 30, 1921.

Period from January 1 to September 30, 1921.

^{*}Number issued at end of fiscal year, September 30, 1921.

00CE 079 7E

of certificate of title shall assign same to the purchaser of the motor vehicle, and the purchaser shall make a new application for certificate of title and forward same to the automobile department with the assigned title. The fee for such transfer of title is fifty cents. The fees collected from the issuing of certificates of title are used for the administration of the act and the recovery of stolen automobiles and the apprehension of thieves.

The following receipts and disbursements have been made from the Certificate of Title Department for the six months period from June 1st to September 30, 1921:

-				
Balan	e on hand Sept	tember 30, 1921	 	\$257,529 02

. . .

MOTOR VEHICLE POLICE DEPARTMENT

Section 6 of the Certificate of Title Act provides that the Secretary of State, with the approval of the Governor, is authorized to appoint necessary deputies, in addition to the present officers of the law to carry out the provisions of the certificate of title act, who shall have power to investigate and follow up any auto theft matters or other violations of the said act, and shall have all authority of peace officers relative to the provisions of the certificate of title act. They also are required to assist in ascertaining whether the owners and operators of motor vehicles are carrying the license tags which they are by law required to carry.

The state motor vehicle police number sixteen members who are salaried as provided by the certificate of title act. Eleven additional members of the state motor vehicle police department are attached to municipal police departments and do not draw salaries from the state.

Under the operation of the state motor vehicle police for the period from July 15th until September 30th, fifty-two motor vehicles have been recovered and returned to the owners in this state. Twenty-three motor vehicles have been recovered and returned to owners outside the state.

Forty-four prisoners have been arrested by the state motor vehicle police and all pleaded guilty to the charge of vehicle taking. Five of the prisoners have been turned over to the federal authorities.

The State Motor Vehicle Police Department was holding twelve motor vehicles on September 30, 1921, the engine numbers having been defaced or mutilated, and for which the department is endeavoring to locate the owners. Two motor vehicles are held for which it has been impossible to locate the owners.

ABSTRACT OF VOTE

VOTE ON THE THIRTEEN PROPOSED CONSTITUTIONAL AMENDMENTS—SPECIAL ELECTION, TUESDAY, SEPTEMBER 6, 1921

First Second Third Fourth Fifth Sixth Seventh	Yes No	30,242 80,574 90,269 110,333 76,963 117,890 83,265 101,790 74,177 113,300 82,389 115,139 76,587 116,683	626 2,363 382 2,567 287 2,628 344 2,390 298 2,509 352 2,576 334 2,593 2,797 2,778 2,177 3,477 1,680 3,614 1,447 3,242 1,857 3,464 2,106 3,532 1,797 3,488 1,497 2,106 329 2,509 3,564 1,107 3,488 1,407 3,101 1,032 3,614 1,447 3,242 1,667 3,488 1,326 789 1,101 1,032 965 1,109 697 933 1,106 964 1,103 1,326 513 636 1,102 697 1,091 933 1,434 1,104 691 1,014	454 446 267 599 225 622 128 128 128 128 26 128 314 561 128 168 257 64 138 1129 36 138 1075 138 168 327 168 327 168 328 206 320 177 178 178 178 178 178 178 178 36 328 306 320 176 329 1,287 806 930 1,109 798 1,177 828 1,083 741 1,180 783 1,218 374 1,180 783 1,218 754 1,218	2,152 1,506 1,441 2,098 1,316 2,147 1,211 2,083 1,184 2,183 1,289 2,182 1,209 2,208 658 774 491 981 384 981 384 984 981 987 893 887 989 987 1,009 877 893 889 981 988 979 994 91,337 801 1,557 888 1,590 823 1,599 823 1,599 823 1,599 1,752 900 1,021 1,499 851 1,607 994 1,337 801 1,557 888 1,590 823 1,589	408 294 351 336 310 361 299 325 341 291 389 304 382 383 382 <th>1,229 980 902 1,233 810 1,292 889 1,120 832 1,120 832 1,132 1,178 889 1,176 1,685 941 1,917 1,018 1,912 1,019 1,010</th> <th>688 571 394 801 312 851 317 783 319 809 387 798 326 828 668 1.046 504 1.169 462 1.181 487 1.022 498 1.097 5570 1.116 461 1.177 699 836 629 566 955 679 604 779 604 779 604 604 670 605 758 661 766 697 604 779 604 670 605 758 661 766 697 607 607 607 607 607 607 607 607 607 60</th> <th>618 535</th>	1,229 980 902 1,233 810 1,292 889 1,120 832 1,120 832 1,132 1,178 889 1,176 1,685 941 1,917 1,018 1,912 1,019 1,010	688 571 394 801 312 851 317 783 319 809 387 798 326 828 668 1.046 504 1.169 462 1.181 487 1.022 498 1.097 5570 1.116 461 1.177 699 836 629 566 955 679 604 779 604 779 604 604 670 605 758 661 766 697 604 779 604 670 605 758 661 766 697 607 607 607 607 607 607 607 607 607 60	618 535
Second	Yes	90,269 110,333	382 2,127 1,101 636	267 1,294 159 930	1,441 401 950 1,021	351 528 647 482	902 1,147 441 1,924	394 504 700	618 535 877
First	_	130,242 80	1	454 1,812 252 1,287	2,152 658 1,325 1,752				834
COLINABLES	COLL MICHOLOGICAL STREET	State Total	Adams. Alfen Bartholomew Benton	Blackford. Boone. Brown. Carroll	Cass. Cark. Clay. Clinton.	Grawford Daviess Daviess Dearborn Decatur.	Defaulb. Delaware. Dubous. Elikhart.	Fayette Foyd- Fountain Franklin	Fulton. Gibson

1,644 1,226 1,027 1,279	1,056 1,683 1,755 1,640	2,274 939 671	2,190 1,928 184	2,277 1,206 736 2,020	5,003 · 705 718 1,972	1,084 1,371 1,414 531	667 264 720 1,579	734 955 1,520 415	510 734 1,255 1,118
675	1,187	353	522	3,262	6,392	472	1,007	751	708
586	1,167	391	647	1,353	1,156	1,101	64	345	364
435	741	537	955	624	192	697	459	207	1,086
790	566	428	452	2,347	1,073	344	333	615	1,274
1,638 1,199 998 1,252	1,053 1,593 1,728 1,618	2,264 961 651	815 2,136 1,939 222	2,162 1,172 739 1,951	4,929 733 692 1,956	1,094 1,388 1,365 1,365	704 250 696 1,579	723 920 1,507 427	501 796 1,251 1,066
750	1,247	478	548	3,461	6,673	498	999	810	739
664	1,324	458	778	1,430	1,165	1,154	84	425	324
512	842	562	990	654	246	787	514	237	1,198
828	627	476	450	2,521	1,141	332	357	668	1,393
1,609	1,032	625	822	2,141	4,557	1,053	721	678	502
1,200	1,563	2,256	2,126	1,017	709	1,341	256	877	754
990	1,728	945	1,914	718	679	1,344	700	1,467	1,234
1,207	1,608	651	211	1,865	1,888	1,344	1,558	386	1,077
620	1,123	499	454	3,212	6,345	450	922	755	657
556	1,240	360	666	1,449	1,144	1,064	69	362	304
423	742	483	881	588	197	682	438	187	1,077
751	517	408	417	2,294	1,066	325	278	597	1,223
1,474	985	464	742	2,189	3,389	1,015	658	547	481
1,068	1,615	2,115	1,912	925	620	1,129	249	783	439
960	1,479	773	1,855	645	650	1,254	676	1,378	1,022
1,043	1,402	633	1,855	1,675	1,518	1,254	1,439	326	993
744 618 381 953	1,228 1,100 976 675	673 422 667 409	5533 889 433 433	2,970 1,480 633 2,462	8,076 1,159 197 1,462	1,280 766 510	918 66 424 349	930 332 241 645	649 640 1,267 1,305
1,770	1,016	622	893	2,195	4,778	1,153	837	740	561
1,226	1,624	2,351	2,259	998	713	1,456	275	957	466
1,038	1,711	989	2,054	791	747	1,381	788	1,539	1,407
1,287	1,652	746	228	2,024	1,746	447	1,647	384	1,203
574 546 444 766	1,305 1,261 846 484	537 348 501 371	447 618 837 409	3, 292 1,571 594 2,377	6,794 1,176 170 1,385	1,083 740 469	848 61 403 259	776 332 178 642	661 684 955 1,155
1,608	702	493	801	1,994	3,547	1,097	740	699	520
1,170	1,544	2,318	1,915	943	657	1,270	266	952	415
1,055	1,576	919	1,963	730	728	1,331	748	1,494	1,222
1,136	1,608	668	1,963	1,864	1,632	432	1,529	379	1,074
817 734 476 1,022	1,765 1,411 1,030 656	702 408 622 469	1,062 974 459	3,777 1,700 685 2,644	8,976 1,257 213 1,569	1,341 861 507	987 71 482 428	879 373 250 668	728 746 1,246 1,454
1,001 796 885 655	432 1,037 1,271 1,242	1,849 695 485	1,450 1,227 1,227	1,822 708 487 1,035	2,271 520 593 785	860 748 1,040	559 231 604 1,238	339 833 1,353	370 238 736 718
1,572	2,176	1,108	894	4,866	11,309	821	1,206	1,315	930
1,178	2,000	988	1,626	1,986	1,460	1,981	110	526	962
664	1,412	921	1,870	1,039	370	1,225	669	430	1,886
1,636	1,107	706	556	3,761	2,664	706	765	983	1,947
Hamilton Hancock Harrison Hendricks	Henry. Howard Huntington	Jasper. 184y 1848 Jefferson 4 Jennings.	Johnson. Monoxe, Kosnisko. Lagrange.	Lake. Laporte. Layrence. Madison.	Marion. Marshall. Martin. Mismi.	Monroe Montgomery Morgan	Noble Obito Crauge Owen	Parke. Perty Perty Pike. Porter.	Posey. Polaski. Potasn. Randolph.

VOTE ON THE THIRTEEN PROPOSED COZSTITUTIONAL AMENDMENTS-Continued.

	No	1,199 1,495 2,836 604	2,006 1,275 487 487	,024 589 849 ,146	287 ,028 ,756 ,998	1,115 733 1,324	, 518 , 190 , 284 , 572
Seventh	Z 			-i -i	- 2		
Ser	Yes	642 677 3,374 238	905 539 308 507	767 285 1,530 606	343 736 455 1,790	825 421 377 415	1,499 601 453 745
th	No	1,170 1,119 2,862 564	1,987 1,223 502 510	966 571 838 1,142	$^{295}_{1,089}_{735}$	$\begin{array}{c} 2,069\\ 705\\ 1,306\\ 1,736 \end{array}$	1,480 1,325 1,265 538
Sixth	Yes	1,110 3,425 308	1,006 656 315 513	864 341 1,594 657	367 721 520 1,900	912 471 433 509	1,620 510 507 797
th.	No	1,155 1,126 2,676 583	1,961 1,241 502 490	972 598 847 1,100	1,055 728 2,942	2,049 740 1,315 1,718	1,415 1,200 1,244 1,244 558
Fifth	Yes	643 1,005 3,357 228	871 520 272 476	737 261 1,436 609	326 633 453 1,762	808 416 355 401	1,454 561 448 702
rth	No	1,029 969 2,397 499	1,843 1,218 244 448	918 563 704 1,032	1,038 460 2,735	1,597 688 1,272 1,611	1,304 1,037 1,117 559
Fourth	Yes	721 1,148 3,538 3,538	928 499 540 498	804 286 1,673 655	347 602 757 1,841	1,287 430 346 436	1,553 693 658 679
rd	No	1,213 1,134 2,635 597	1,897 1,366 277 529	1,053 602 905 1,207	316 1,101 565 3,122	2,094 812 1,430 1,857	1,493 1,230 1,212 643
Third	Yes	1,081 3,608 254	1,067 473 558 484	716 301 1,491 587	335 662 699 1,704	880 351 305 352	1,521 595 545 646
pu	No	1,111 1,025 2,598 564	1,791 1,338 245 490	1,009 591 871 1,166	297 1,098 719 3,033	$\begin{array}{c} 2,150 \\ 764 \\ 1,406 \\ 1,830 \end{array}$	1,312 1,068 1,180 610
Second	Yes	822 1,189 3,758 3,319	1,278 528 597 540	876 329 1,586 669	388 700 549 1,858	843 442 341 431	1,835 812 612 718
st	No	871 680 2,593 309	1,104 1,153 168 372	683 452 459 856	212 871 322 2,425	1,195 505 1,193 1,560	944 602 636 482
First	Yes	1,121 1,686 3,952 637	2,152 744 685 747	1,360 495 2,242 1,131	488 971 1,061 2,731	1,972 773 603 741	2,361 1,372 1,242 882
STIMMING	COONTIES	Ripley. Rush. Sk. Joseph. Scott.	Shelby. Shencer. Starke. Skeuben.	Salivan. Switzerland Tippecanoe Upton.	Union. Vanderburgh. Vermillion. Vigo.	Wabash Warren Warrick Washington	Wayne. Wells. White. Whitley.

VOTE ON THE THIRTEEN PROPOSED CONSTITUTIONAL AMENDMENTS-Continued.

Total	Number of Electors Who Voted.	218,698	3,033 6,021 2,258 1,879	953 2,670 593 2,176	3,778 1,516 2,092 2,739	2,762 1,845 1.418	2,402 3,318 2,613 2,956	1,314 1,795 1,621 1,521	1,500 1,697 3,018 3,268
Thirteenth	No	117,140	2,639 3,608 1,091 1,155	618 1,283 368 1,294	2,205 959 1,048 1,606	388 1,999 1,117 847	1,320 1,993 2,155 903	887 1,189 968 915	938 963 1,396 2,396
Thirt	Yes	161,08	1,934 1,037 1,637	1,178 1,178 150 717	1,280 415 898 904	293 544 570 421	1,055 1,055 356 1,768	311 464 533 453	472 544 1,358 654
Twelfth	No	142,909	2,678 4,103 1,430 1,297	1,790 1,790 1,660	2,689 1,090 1,343 1,781	2,164 1,274 1,274	1,520 2,179 2,195 1,272	933 1,307 1,213 1,095	1,056 1,152 1,728 2,636
Two	Yes	55,027	1,449 658 427	177 625 71 332	789 307 541 691	388 388 338 338	596 917 285 1,434	257 347 280 297	323 353 1,041 383
Eleventh	No W	157,827	2,746 4,327 1,629 1,505	738 1,995 430 1,748	2,898 1,104 1,437 1,983	2,310 1,405 1,405	1,663 2,540 2,439 1,470	1,056 1,478 1,242 1,156	1,191 1,161 1,938 2,683
Elev	Yes	39,005	1,252 1,252 485 234	139 426 75 248	556 296 441 492	193 241 263 287	477 503 248 1,247	137 177 241 230	197 347 775 331
Tenth	No	166,186	2,785 4,514 1,727 1,554	2,090 471 1,799	3,022 1,162 1,523 2,202	518 2,364 1,428 1,054	1,849 2,686 2,305 1,543	1,083 1,491 1,342 1,159	1,239 1,248 2,048 2,732
Tei	Yes	31,786	1,089 1,089 1,357	102 333 57 188	443 274 357 267	144 175 236 216	299 396 184 1,166	111 178 155 219	148 268 702 236
Ninth	No	149,294	2,787 4,115 1,544 1,470	2,018 449 1,723	2,766 1,039 1,420 2,096	2,287 1,290 1,015	1,614 2,280 2,252 1,199	987 1,396 1,309 1,087	1,133 1,136 1,905 2,669
Ni.	Yes	46,023	1,366 575 248	160 408 64 269	674 345 440 359	133 236 361 261	499 729 229 1,471	204 227 184 280	242 348 814 336
Eighth	No	117,479	2,619 3,529 1,093 1,177	603 1,366 388 1,323	2,237 887 1,146 1,595	2,080 1,087 846	1,244 1,845 2,041 826	788 1,256 1,041 743	916 942 1,385 2,456
Eig	Yes	78,431	2,012 927 537	1,072 1,16 116 609	1,207 493 728 867	219 405 570 444	845 1,184 456 1,845	387 396 443 628	474 559 1,349 596
	COUNTIES	State Total.	Adams. Allen. Bartholomew. Benton.	Blackford. Bloone. Brown. Carroll.	Cass. Clark. Clay.	Crawford. Davies. Deavier. Deavier. Deavier.	DeKalb Delsware. Dubois. Elkhart.	Fayethe. Floyd. Pourtain. Franklin.	Fulton. Gibson. Grant. Greene.

VOTE ON THE THIRTEEN PROPOSED CONSTITUTIONAL AMENDMENTS—Continued

	Total	Number of Electors Who Voted.	2,666 1,974 1,630 2,344	2,608 3,159 2,778 2,413	1,372 2,837 1,687 1,239	1,470 3,164 3,197 744	7,165 2,890 1,573 5,017	14,556 1,980 996 3,588	1,759 2,853 2,348 1,010
		No	1,672 1,183 1,052 1,212	849 1,693 1,690 1,685	2,346 · 898 665	2,187 2,099 2,099	2,444 1,268 810 1,981	4,195 841 733 1,751	1,115 1,442 1,380 465
	Thirteenth	Yes	734 694 447 936	1,545 1,183 883 559	534 372 622 477	556 745 824 466	3,077 1,302 631 2,468	8,108 1,063 208 1,415	1,130 789 457
	Twelfth	No	1,923 1,417 1,129 1,583	1,552 1,898 1,867 1,901	2,405 1,112 821	1,025 2,416 2,285 2,285	3,226 1,557 957 2,888	7,774 1,074 772 2,215	1,233 1,814 1,726 623
nea	Twe	Yes	460 428 384 499	764 1,012 690 315	471 335 384 303	349 481 636 374	2,673 1,038 433 1,577	4,860 825 155 884	361 705 405 289
S—Contain	Eleventh	No	2,040 1,514 1,131 1,695	1,637 2,389 1,943 2,011	2,470 1,199 843	1,087 2,581 2,457 336	4,002 2,122 1,053 3,167	8,421 1,402 814 2,525	1,316 2,076 1,862 676
DMENT	Elev	Yes	325 314 375 357	638 493 625 219	297 259 311 266	254 335 454 316	1,758 560 314 1,268	3,078 504 116 559	259 433 258 239
L AMEN	Tenth	No	2,150 1,596 1,238 1,822	1,815 2,431 2,161 2,040	2,531 1,312 914	1,178 2,647 2,716 3,76	3,962 2,156 1,139 3,517	9,029 1,509 849 2,687	1,378 2,213 1,940 786
UTIONA	Ter	Yes	235 235 248 224	930 414 414 190	168 199 200 198	173 271 287 281	1,817 519 256 1,012	2,548 391 76 419	217 346 202 134
ONSILI	Ninth	No	2,032 1,531 1,245 1,765	1,666 2,280 2,102 1,970	891 2,443 1,190 905	1,086 2,651 2,445 345	2,948 1,667 957 3,035	6,989 1,162 816 2,481	1,284 1,934 1,814 741
POSED C	Nir	Yes	333 304 245 310	618 581 458 244	257 251 297 191	253 348 430 294	2,537 952 454 1,383	4,588 743 107 604	325 638 311 163
EN PRO	hth	No	1,646 1,176 1,048 1,295	865 1,762 1,695 1,710	2,283 997 726	856 2,109 2,004 214	1,855 1,122 688 2,039	4,645 707 729 1,982	1,045 1,462 1,449 435
THIRTE	Eighth	Yes	706 655 424 787	1,484 1,088 853 507	435 400 509 380	496 806 903 438	3,960 1,474 726 2,382	7,219 1,181 192 1,138	1,060 664 481
VOTE ON THE THIRTEEN PROPOSED CONSTITUTIONAL AMENDMENTS—COMMING		COUNTIES	Hamilton Hancock Harrison Hendricks	Henry. Howard. Huntington.	Jasper Jay Jay Jeffreson Jemings	Johnson Knox Koseinsko Lagrange.	Jake. Aporte. Lawrence. Madison.	Marion Marshall Martin Mismi	Monroe

1,852	1,717	1,330	2,059	3,375	2,043	740	3,167	3,545
360	1,405	1,237	2,439	1,970	973	1,941	1,345	2,042
1,337	1,783	2,622	6,934	908	2,701	1,431	1,820	1,878
2,053	1,248	2,766	973	1,104	1,948	5,407	2,301	1,437
815	717	558	1,255	2,076	1,039	321	1,718	1,585
273	957	520	1,422	1,312	660	1,158	788	1,167
762	1,532	1,105	3,078	365	927	583	,415	1,241
1,538	452	1,271	585	521	1,155	3,160	1,832	691
885	835	675	634	907	790	340	1,352	1,508
62	344	639	822	553	267	622	395	658
434	219	1,393	3,212	459	1,497	709	336	525
359	584	1,202	291	507	660	1,803	404	628
984 278 825 1,675	1,069 1,045 1,570 1,570	641 806 1,634 1,558	1,357 1,569 3,697 682	2,322 1,596 609 640	1,370 686 1,223 1,454	1,354 971 3,458	2,468 838 1,500 1,940	2,014 1,597 1,444 940
691	456	588	523	621	458	158	498	1,073
57	273	298	617	222	226	453	335	294
389	172	735	2,614	213	1,212	296	217	321
250	583	915	184	384	341	1,447	288	389
1,168 289 939 1,737	1,016 1,061 1,620 719	681 913 1,730 1,805	1,410 1,942 5,561 699	2,572 1,636 661 754	1,389 681 1,872 1,568	1,391 982 3,701	2,593 986 1,532 2,023	2,399 1,492 1,526 1,034
530	511	556	459	402	416	154	369	706
49	268	203	298	191	207	380	186	362
232	132	619	955	161	651	256	187	223
182	347	621	171	255	230	1,156	201	297
1,309	1,161	776	1,587	2,698	1,433	550	2,677	2,568
298	1,125	946	2,039	1,696	739	1,423	1,068	1,572
972	1,647	1,748	5,590	696	2,039	1,011	1,594	1,581
1,795	1,647	2,022	769	855	1,658	3,806	2,076	1,113
400	365	448	282	312	362	116	287	528
39	195	164	192	122	162	358	160	269
219	97	537	952	132	499	235	126	187
127	331	449	101	165	194	1,074	148	218
1,254	1,091	703	1,518	2,447	1,301	1,199	2,467	2,127
281	1,099	875	1,848	1,634	728	1,199	942	1,486
923	1,615	1,871	3,208	643	1,413	917	1,546	1,442
1,749	576	1,836	744	789	1,548	3,359	2,008	1,021
434 50 265 149	414 183 116 465	517 217 539 597	342 3,022 104	487 169 169 223	500 170 1,040 230	130 550 304 1,483	484 237 163 198	923 323 311 297
717 271 798 1,624	1,024 1,508 1,508	496 486 1,297 1,270	1,287 1,115 2,589 606	1,977 1,561 337 568	1,060 622 884 1,212	293 1,060 746 2,916	2,325 771 1,408 1,831	1,472 1,146 1,204 656
970 65 401 279	679 282 218 671	732 662 1,065 1,106	1,076 3,659 253	962 266 486 434	738 284 1,548 585	370 704 479 1,923	624 374 385	1,588 682 501 666
Noble. Ohio. Owange.	Parke Perry Pike. Porter	Posey. Pulaski. Pulaski. Radolph. Radolph.	Ripley. Rush. St. Joseph. Scott.	Shelby. Spencer Starke. Seuben	Sullivan. Swritzerland Typecanoe Tyton.	Union Vanderburgh. Vermillion. Vigo.	Wabash. Warren. Warrick.	Wayne. Wells. White

REPORT OF AUDITOR OF STATE

OFFICERS AND EMPLOYES

WILLIAM G. OLIVER, Auditor of State. EDWARD A. REMY, Deputy Auditor. L. C. JOHNSON, Audit Clerk. GREENBERRY G. LOWE, Settlement Clerk. LELA A. YOUNG, Stenographer and Clerk. C. CLAUDE ROSENBARGER, Land Clerk.

DUTIES OF THE AUDITOR OF STATE

Section 151 of the Constitution of Indiana provides that there shall be elected by the voters of the State an auditor who shall hold his office for two years. He shall perform such duties as may be enjoined by law; and no person shall be eligible to serve as auditor more than four years in any period of six years.

The Auditor of State has numerous duties and responsibilities aside from the work of the Auditing Department. He is ex-officio Land Commissioner, a member of the State Board of Finance, the State Charter Board, the State Board of Accounts, the Board of Public Buildings and Grounds, the Board of Public Printing, and the Board of Appointment, which board appoints the members of the State Board of Health.

The Auditor of State is required to keep and state all accounts between the State of Indiana and the United States, or any State or Territory, or any individual or public officer of this State indebted to the State, or intrusted with the collection, disbursement or management of any moneys, funds or interest arising therefrom, belonging to the State, of every character and description whatsoever, when the same are derivable from or payable into the State Treasury.

Examine and liquidate the accounts of all county treasurers and other collectors and receivers of all state revenues, taxes, tolls and incomes, levied or collected by any act of the General Assembly, and payable into the State Treasury, and certify the amount or balance to the Treasurer of State.

Keep fair, clear, distinct and separate accounts of all the revenues and incomes of the State; and also of all expenditures, disbursements and investments thereof, showing the particulars of every expenditure, disbursement and investment.

Examine, adjust and settle the accounts of all public debtors, for debts due the State Treasury, and require all such persons, or their legal representatives, who may be indebted to the State for moneys received or otherwise, and who shall not have accounted therefor, to settle their accounts.

Examine and liquidate the claims of all persons against the State, in cases where provisions for the payment thereof shall have been made by law; and when no such provisions, or an insufficient one, has been

made, to examine the claim, and report the facts, with his opinion thereon, to the legislature; and no allowance shall be made to refund moneys from the treasury without his statement either for or against the justice of the claim.

Institute and prosecute, in the name of the State, all proper suits for the recovery of any debts, moneys or property of the State, or for the ascertainment of any right or liability concerning the same.

Direct and superintend the collection of all moneys due the State, and employ counsel to prosecute suits, instituted at his instance, on behalf of the State.

Draw warrants on the treasurer for all moneys directed by law to be paid out of the treasury to public officers, or for any other object whatsoever, as the same may become payable, and every warrant shall be properly numbered.

Furnish to the Governor, on his requisition, information in writing upon any subject relating to the duties of the office of auditor.

Superintend the fiscal concerns of the State and their management in the manner required by law, and furnish the proper forms to assessors, treasurers, collectors and auditors of counties.

Keep and preserve all public books, records, papers, documents, vouchers, and all conveyances, leases, mortgages, bonds, and all securities for debts, moneys or property, and accounts and property, of any description, belonging or appertaining to his office and also to the State, where no other provision is made by law for the safe-keeping of the same.

Suggest plans for the improvement and management of the public revenues, funds and incomes.

Report and exhibit to the General Assembly, at its biennial meeting, a complete statement of the revenues, taxables, funds, resources, incomes and property of the State, known to his office, and of the public revenues and expenditures of the two preceding fiscal years, with a detailed estimate of the expenditures to be defrayed from the treasury for the ensuing two years, specifying therein each object of expenditure, and distinguishing between each object of expenditure and between such as are provided for by permanent or temporary appropriations, and such as require to be provided for by law, and showing also the sources and means from which all such expenditures are to be defrayed.

AUDITING DEPARTMENT

STATEMENT OF BALANCES, RECEIPTS AND DISBURSEMENTS

A detailed statement of the work of the Auditing Department of the office of the Auditor of State for the fiscal year ending September 30, 1921, giving a condensed exhibit of the balances in the state treasury by funds at the beginning of the fiscal year, October 1, 1920, also the amounts received and disbursed from the several funds during the year and the balance on hand at the close of business September 30, 1921.

YEAR BOOK

BALANCE BY FUNDS OCTOBER 1, 1920

General Fund	\$1,052,252	28
Educational Institution Fund	198,853	57
Vocational Educational Fund	19,838	54
State Debt Sinking Fund	254,518	
Common School Fund Principal	733	
School revenue for tuition	149,966	
Fire Marshal Fund	49,066	
Hydrophobia Fund	12,575	
Unclaimed estates	44,922	
Highway Fund		
Sale of state lands	2,784,605	
Sale of state lands	1,064	00
Total	\$4,568,397	37
RECEIPTS BY FUNDS FISCAL YEAR ENDING SEPTEMBER 30, 1921		
General Fund	\$7,731,993	61
Benevolent Institution Fund	2,814,817	70
Educational Institution Fund	1,600,102	91
Vocational Education Fund	515,418	68
State Debt Sinking Fund	348,460	02
Common School Fund principal	9,924	34
Sale of state lands	10,555	
Unclaimed estates	3,696	
School revenue for tuition	3,896,916	
Permanent Endowment Fund interest	45,871	
Road Fund	2,474,258	
Fire Marshal Fund	68,657	
Hydrophobia Fund	20,955	
Highway Fund	6,752,900	
Auto Theft Fund	366,417	
Soldiers' Memorial Fund	180,425	
Total	\$26,841,371	60
	•	
DISBURSEMENTS BY FUNDS FISCAL YEAR ENDING SEPTEMBER 30, 192	1 .	
		05
General Fund	2,814,817	
	1,491,122	
Educational Institution Fund	477,508	
Vocational Education Fund		
State Debt Sinking Fund	262,978	
Sale state lands	173	
Unclaimed estates	1,394	
School revenue for tuition	3,819,435	
Permanent Endowment Fund interest	45,871.	
Road Fund	2,474,258	
Fire Marshal Fund	46,999	
Hydrophobia Fund	17,246	
Highway Fund	8,244,071	
Auto Theft Fund	108,758	15
Total	228 420 278	06
Total	p20,420,210	00
·		

STATEMENT OF NET RECEIPTS AND DISBURSEMENTS, SHOWING ADVANCEMENTS AND TRANSFERS

ADVANCEMENTS AND TRANSFERS

GENERAL FUND

	Disbursements	Receipts
Governor's Emergency and Contingent Fund	\$10,702 06	
To Revolving Fund, Conservation Department		\$5,000 00
To Emergency Compensation Fund		63 54
Governor's Civil and Military Contingent Fund		, -
To Revolving Fund, Conservation Department		10,000 00
Conservation Department, from Fish and Game Fund		10,000 00
		. 8,369 17
To salaries and expense account		-,
State Board of Charities, transportation		900 00
Attorney-General, advancement by board of finance		2,000 00
Appropriation to vocational education		
From Benevolent Institution Fund		2,814,817 70
From Hydrophobia Fund, inheritance tax		1,858 35
Totals	\$43,023 34	\$2,843,008 76
BENEVOLENT INSTITUTION FU	ND	
Transfer Warrant—		
To General Fund	2,814,817 70	
VOCATIONAL EDUCATION FUNI	0	
Transfer Warrant—		
From General Fund		11,052 11
		,
ROAD FUND		
Transfer Warrant-		
To Highway Commission Fund	9 905 545 46	
From Auto Theft Fund		04.050.07
From Auto Their Fund		24,958 67
HIGHWAY COMMISSION FUND	,	
Transfer Warrant—		
From Road Fund		2,305,545 46
From Hydrophobia Fund, inheritance tax		100 20
Advanced to L. H. Wright\$100,000 00		
Less checks issued by L. H. Wright,		
not reimbursed by Auditor of State. 62,771 76	37,228 24	37,228 24
AUTO THEFT FUND		
Transfer Warrant—		
To Road Fund	24,958 67	
10 100d 1 did	21,000 01	
STATE DEBT SINKING FUND		
Transfer Warrant—		# ***
From Governor's Emergency Contingent Fund		5,638 52
·		
HYDROPHOBIA FUND		
Transfer Warrant—		
To General Fund, inheritance tax	1,858 35	
To Highway Commission Fund, inheritance tax	100 20	
To Common School Fund Principal		
COMMON SCHOOL FUND PRINCE	PAL	
Transfer Warrant—		
From Hydrophobia Fund		9,575 74
Tom Hydrophobia Pung		0,010 14
Total advancements and two refers	er 997 107 FA	et 997 107 70
Total advancements and transfers	\$5,257,107 70	\$5,237,107 70

NET DISBURSEMENTS AND RECEIPTS

ALL FUNDS

	Disbursements	Receipts
Gross disbursements and receipts	\$28,420,278 06	\$26,841,371 60
Less transfers and advancements	5,237,107 70	5,237,107 70
Net disbursements and receipts	\$23,183,170 36	\$21,604,263 90
GENERAL FUND		
Gross disbursements and receipts	\$8,615,641 95	\$7,731,993 61
Less transfers and advancements	43,023 34	2,843,008 76
Net disbursements and receipts	\$8,572,618 61	\$4,888,984 85
CAMPAL DAY OF ALL PARTY	. ~	
SUMMARY OF ALL FUND)S	
Balance on hand October 1, 1920		\$4,568,397 37
Gross receipts		
Less transfers and advancements	5,237,107 70	21,604,263 90
The total considering from forced many		000 170 001 07
Total available for fiscal year		\$26,172,661 27
Less transfers and advancements		23,183,170 36
Less transfers and advancements	0,201,101 10	20,100,110 00
Balance on hand September 30, 1921		\$2,989,490 91
BALANCES BY FUNDS		
General Fund		\$168,603 94
Educational institutions		307,833 71
Vocational education		57,748 71
State Debt Sinking Fund		340,000 00
Common School Fund Principal		10,657 99
Sale of state lands Unclaimed estates		11,446 47 47,225 09
School revenue for tuition		227,447 45
Fire marshal		70,724 07
Hydrophobia Fund		16,284 85
Highway Commission Fund		1,293,434 18
Soldiers' War Memorial Fund		180,425 20
Auto Theft Fund		257,659 25
Balance September 30, 1921		\$2,989,490 91
GENERAL FUND DISBURSEMENTS A	ND RECEIPTS	
Executive Department—	Disbursements	Receipts
Governor's salary		reccipis
Secretary		
Executive clerk		
Stenographer		
Office expense		
Rent, light and heat		
Emergency Contingent Fund	36,811 68	\$6,878 97
Emergency Compensation Fund		63 54
Alteration, repairs and ventilation		
Committee on Mental Defectives		
Civil and military contingent		
Lieutenant-Governor	1,000 00	
	004 800 00	00.040.71
	\$84,799 02	\$6,942 51

	Disburseme		Receipts	
Adjutant-General's salary				
Chief clerk				
Stenographer				
Additional stenographer				
Quartermaster general clerk				
Quartermaster general stenographer				
Riot Fund			\$85,144	01
Indiana winda	100,003	11	\$00,144	ar
	\$184,406	21	\$85,144	91
Department of State—	, ,		7-0,	
Secretary of State salary	\$6,500	00		
Deputy		00		
Assistant deputy	2,000	00		
Clerk and stenographer		00		
Office expense	947	17		
Distribution of public documents	250	00		
Distribution of court reports	123	86		
Foreign corporation and special recordings	609	58	\$9	58
Printing and distribution of acts	31,227	66		
Foreign corporation fees			80,626	96
Domestic corporation fees			270,093	65
Sale of court reports			6,872	00
Notary fees			7,410	50
Miscellaneous fees			15,346	49
Securities clerk				
First assistant securities clerk				,
Second assistant securities clerk		29		
Securities Commission license fees			7,157	
State Securities Fund	7,556	10	25,158	96
•	\$55,456	81	\$412,675	18
Bureau Public Printing and Stationery—	ф00,400	OI	φ412,019	10
Printing, binding and stationery	\$35,681	91		
Election Commission				
Supreme and Appellate Court reports				
Clerk's salary				
Assistant clerk				
Messenger				
Office expense				
•				
	\$85,000	22		
Department of Auditor of State-				
Auditor of State's salary	\$7,500	00		
Deputy		00		
Audit clerk	3,000	00		
Settlement clerk	2,500	00		
Audit department stenographer	1,200	00		
Land clerk				
Land clerk traveling expense	176	38		
Land department fees			\$628	
Land department rentals			. 500	
Incorporation and miscellaneous fees			820	00
*Office expense		37	-	0.5
Real estate dealers' license			370	00
*Insurance Contingent Fund	800	00		
	900 104	75	\$9.910	20
	\$22,164	19	\$2,318	20

^{*}Note—\$990.66 of the \$1,750.00 appropriated for office expense was disbursed by my predecessor prior to December 1, 1920, the date I assumed the office. The \$800.00 shown as disbursed from Insurance Contingent Fund was also vouchered and drawn by my predecessor prior to December 1, 1920.

Department of Treasurer of State— Treasurer of State's salary	Disburseme		Receipts
Deputy			
Clerk and bookkeeper			
Office expense			
Transportation agent's fees		11	\$25 00
	\$11,864	17	\$25 00
Department of Attorney-General-			
Attorney-General's salary	\$7,500	00	
Assistant	. 3,600	00	
Deputy	. 2,600	00	
Second deputy	. 2,100	00	
Traveling deputy	. 1,600	θ0	
Stenographer and clerk	. 1,200	00	
Additional stenographer	. 900	00	
Traveling expense	. 1,137	93	
Law books	. 319	00	
Office expense	. 632	42	
Anti-trust, prohibition, escheated estates and other			
cases	15,587	14	\$2,000 00
Clerk Supreme and Appellate Courts—	\$37,176	49	\$2,000 00
Clerk's salary	. \$5,000	00	
Deputy			
Assistant deputy			
Copy clerk			
Record clerk			
· Clerk-stenographer			
Office expense			
Supreme court fees			\$3,444 65
Appellate court fees			8,383 27
·(· · · · ·	\$12,886	25	\$11,827 92
Reporter Supreme and Appellate Courts-			
Reporter's salary	\$5,000	00	
Assistant	. 2,400	00	
Second assistant	. 2,000	00	
Third assistant	. 1,000	00	
Office expense	. 108	75	
Contingent Fund clerk hire	. 300	00	
	\$10,808	75	
Supreme Court—	-		
Judges' salaries			
Clerk-stenographers	. 5,965	00	
Librarian	. 1,800	00	
Messenger and assistant librarian	. 1,200	00	
Sheriff	. 900	00	
Law library	2,998	85	
Office and chambers	1,999	88	
Appellate Count	\$44,863	73	
Appellate Court— Judges' salaries	. \$36,000	00	
Judges' salaries Clerks-stenographers			
Messenger			
Expense			
	\$46,399	99	

	Disburseme		Receipts
Superior Court judges' salaries	\$69,240		
Circuit Court judges' salaries	259,773		
Criminal Court judges' salaries	2,800	00	
Probate Court judges' salaries	2,800	00	
Prosecuting attorneys' salaries	34,651	85	
Docket fees			\$29,214 75
-	\$369,265	48	\$20,214 75
Department of Public Instruction-			
Superintendent	\$5,000	00	
Assistant	3,000	00	
Deputy	1,800		
Clerk	1,400		
Stenographer	1,050		
Office and traveling	2,494		
High school inspector	1,666		
High school inspector's expense	3,396		
Board of Education			
	12,292		01407 00
State Teachers' Training Board	9,110		\$4,105 00
Elementary and high school inspector	3,597		
State Board of Attendance	1,504	02	
	\$46,312	44	\$4,105 00
State Library—	#0 F00	0.0	
Librarian's salary	\$2,500		
Salaries Office Department	2,834		
Salaries Catalogue Department	6,658		
Salaries Reference Department	5,464	75	
History and Archives Department	4,519	55	
Cabinets	298	76	
Traveling expense	113	83	
Books and binding	6,984	49	\$16 37
Office expense, supplies and distribution	1,546		
	\$30,920	07	\$16 37
Board of Health-			
Secretary's salary	\$3,500	00	
Expense	29,390		
Child hygiene	14,983		
Foods and drugs	27,986		
Laboratory maintenance	11,954		
Division tuberculosis	9,236		
Weights and measures	9,601		
Baby book	4,403		
Venereal disease	32,417	85	
Cold storage license			\$440 00
Water analysis fees	5,204	98	6,600 00
Leper Fund	1,047	23	
	\$149,726	63	\$7,040 00
Board of State Charities—			
Expense	\$15,499	49	
Agency Dependent Children	21,650	00	
License Fund	2,496	72	
Outdoor Relief	1,272	10	
Deportation	1,766		
Transportation	900		\$900 00
-	\$43,585	26	\$900 00
	\$45,05 0	40	\$800.00

Board of Tax Commissioners-	Disburseme	nts	Receipts	
Expense	. \$56,044	01	_	
Secretary's salary				
Tax commissioners' salaries				
Tax commissioners' expense				
Inheritance tax			\$2,516 2	20
	\$73,576	19	\$2,516 2	20
Board of Accounts—				
State examiner	. \$4,000	00		
Deputy examiners	6,000	00		
Clerical assistants	. 7,194	48		
Office and traveling	. 1,668	09		
Examination fees	. 14,553	91		
Budget Department	. 1,827	19		
Board Certified Accountants	•		\$515 3	36
	\$35,243	67	\$515 8	36
Superintendent Public Buildings and Property-	φυυ,240	01	φ010 €	,0
Superintendent's salary	. \$2,500	00		
Assistants				
Repairs			\$100 (00
Illumination and power			Ψ100 (
Water and ice				
Heating and fuel				
Receipts		00	. 140 1	12
	\$81,599	59	\$240 1	12
Department of Conservation—	ψ01,000	02	ψ240 .	_
Salaries and expense	. \$68,369	07	\$8,369 1	17
Entomology License Fund				
Geology gas well fees			4,650 (
Revolving Fund				
		25	25,775	
Miscellaneous receipts Fish and game		0.0	354 (
Division of engineering			132,852	GO
Division of engineering				_
Final-mark Commission	\$219,447	44	\$172,552	27
Employment Commission—				
Salaries and expense		48		
License fees	•		\$50 (00
	\$21	48	\$50 (00
Industrial Board—		00		
Salaries and expenses		62	@1 <i>C COA (</i>	e n
Free employment service		20	\$16,624	UU
Employment license fees		99	500 (00
Department of Women and Children		70	500 (00
	\$121,863	71	\$17,124	60
Public Service Commission—				
Salaries and expenses	. \$163,650	63	\$82,625 8	83
Livestock Sanitary Board—				
Salaries and expenses	. \$33,233	36		
Receipts		00	Q4 E01 (00
Condemned tubercular cattle		86	\$4,501 (UU
	-			_
	\$83,203	22	\$4,501 (00

Board of Pardons-	Disburseme		Receipts
Commissioners' salary and per diem	\$2,699		
Commissioners' expense	561		
Clerk	1,205		
Office expense	148		
Extra clerk and stenographer	105	00	
	\$4,718	96	
Soldiers' and Sailors' Monument—	\$15,000	00	
Maintenance			
Installing lamps and hangers			
Museum		00	13,371 40
	\$17,572	03	\$13,371 40
Board Industrial Aid for Blind—	,		
Expense	\$71,314	83	
Equipping Women's Industrial Department		60	
Receipts	20		\$80,943 18
	\$71,364	43	\$80,943 18
Legislative Reference Bureau—			
Expense	\$13,468	42	
Year Book			
	\$32,257	23	
Oil Inspection—			
Food and Drug Commissioner, salaries			
Food and Drug Commissioner, traveling expense		90	
Office expense		88	
Inspectors' salaries and expense		37	
Fees	-		\$152,960 62
	\$74,187	15	\$152,960 62
Nancy Hanks Lincoln Burial Ground Commission-	*		
Expense			
Purchase of land	. 550	00	
	\$1,749	96	
State Soldiers' Home—			
Commandant			
Adjutant			
Chief post surgeon			
Assistant post surgeon		3 33	
Maintenance			
Repairs and painting			
Garage	,	1 64	
Hot water tank		2 50	
Receipts and earnings			\$908 01
Government aid		4 00	21,750 00
Clothing store room and equipment	6,184		
New hospital and kitchen, etc.			
Power lawn mower	180	0 00	
	\$265,213	3 96	\$22,658 01

Soldiers' and Sailors' Orphans' Home-	Disburseme	nts	Receipts	
Maintenance			2000cip 05	
Repairs				
Library			,	
Musical instruments, supplies and gymnasium equip-				
ment	999	58		
Officers' salaries	4,096	82		
Insurance	399	89		
Agents' Fund	37	81		
Additional clothing for girls	1,000	00		
Receipts and earnings			466	25
Construction ice and cold storage plant	1,099	80		
	\$140,301	24	\$466	25
Tuberculosis Hospital—				
Maintenance	\$87,135	14		
Repairs		98		
Dairy barn extension		56		
Turbine engine	2,250	00		
Children's building	2,157	88		
Superintendent's and nurses' cottage		00		
Kitchen equipment		00		
Fencing, tiling and clearing		69		
Topographical survey :		00		
Milking machine		00		
Receipts from counties			\$27,786	77
Receipts from patients			1,167	
Receipts and earnings			207	
Individual support			1,607	16
			-	
	\$103,233	25	\$30,768	45
Central Hospital for Insane—				
Maintenance				
Repairs				
Clothing				
Boiler room and steam lines				
Plastering				
Painting				
Plumbing and reconstructing department for women.		00		
Remodeling old building and erecting new building				
for men				
Iron fences		00		
Receipts and earnings			\$1,891	
Receipts from counties			17,970	
Individual support			31,675	99
	\$628,581	90	\$51,537	45
Eastern Hospital for Insane—	ψ020,001	•	ψ01,001	40
Maintenance	\$239,593	60		
Repairs				
Clothing				
Cottage for women	. 8,983 . 20,379			
Medical equipment	7,295			
Mechanical equipment				
Colony extension and improvements	3,821			
Industrial building	. 3,821			
Rebuilding and re-equipment men's hospital				
Receipts and earnings		00	en 100	00
Receipts from counties			\$2,183	
Individual support			8,675 20,132	
			20,132	40
	\$321,907	36	\$30,991	55
·				

Northern Hospital for Insane-	Disburseme	nts	Receipts	
Maintenance	\$281,668	81		
Repairs	12,500	00		
Clothing				
Improvement to power plant				
Industrial building				
Repairs Assembly Hall				
Installation soft water supply system		12		
Receipts and earnings			\$1,375	
Receipts from counties			13,031	
Individual support			12,359	26
	\$356,655	86	\$26,765	99
Southern Hospital for Insane-				
Maintenance	\$163,827	83		
Repairs				
Clothing				
Receipts and earnings		40	6,783	50
Receipts from counties			5,721	
Individual support			3,309	21
	\$176,713	35	\$15,814	20
Southeastern Hospital for Insane				
Maintenance	\$318,749	80		
Repairs	10,000	00	,	
Clothing				
Bridges, walks, roads, etc.				
Industrial building, root house, etc.				
Remodeling and repairing farm buildings				
Cold storage plant				
Greenhouse and equipment		58		
Farm colony	9,952	69		
Receipts and earnings			\$882	42
Receipts from counties	,		7,953	50
Individual support			17,415	01
	\$367,207	08	\$26,250	93
School for Feeble-Minded Youth	4,		,,	
Maintenance	. \$269,569	25		
Repairs and painting				
Black Hawk Farm—fencing, tiling and equipment				
Colony farm dairy barn extension				
Industrial siding and remodeling coal bin				
Ventilators and fire fighting apparatus		71		
Insurance		00	\$241	00
Black Hawk Farm repair fire loss		26		
Receipts and earnings			600	19
Individual support			11,027	99
	\$294,667	21	\$11,869	18
Village for Epileptics-	φ20 2,001		422,000	
Maintenance	. \$129,684	90		
Repairs				
Crowns for formals matinuts				
Groups for female patients	5,113			
Additional buildings and equipment				
Industrial building for males				
Farm buildings		00		
Farm improvements, tools and equipment and grad				
ing roads	6,992	88		
Receipts and earnings			\$520	75
Individual support			637	
Receipts from counties			5,962	
	\$169,160	93	\$7,121	10

Indiana Girls' School— Maintenance	Disbursements	Receipts
Repairs		
Receipts and earnings		\$128 25
Receipts from counties		53,543 16
	\$128,560 63	\$53,671 41
Indiana Boys' School—		
Maintenance	\$144,999 95	
Repairs		
Live stock and farm equipment		
Remodeling building		
Dairy barn and silo	1,144 46	
Industrial Rotary Fund	276 50	533 32
Receipts and earnings		86 88
Receipts from counties	·	72,948 64
	\$166,170 26	\$73,568 84
Indiana Women's Prison—		
Maintenance	\$34,242 20	\$9 00
Repairs		
Rotary Fund	428 90	, 191 52
Repairing roof	1,960 47	
Receipts and earnings		3,837 39
	\$39,580 95	\$4,037 91
Indiana State Prison—		
Maintenance	\$201,166 84	
Repairs	9,994 52	
Discharged, parole, supervision and rewards	17,996 70	
Library and amusements	745 16	
Binder twine		\$408,741 15
Farm Fund		15,042 90
Receipts and earnings		49,739 64
Insurance		1,104 00
	\$876,096 17	\$474,627 69
Indiana Reformatory—		
Maintenance	\$243,209 98	
Repairs		
Trade schools	14,961 60	
School of letters		
Paroled and discharged prisoners		
Beds and bedding		
Reconstruction "A" cell house		
New dining room, kitchen and equipment		
Kitchen utensils and dining room		
Foundry equipment and repairs		
Relocation of reformatory	2,007 96 3,134 79	e 9 990 00
Farm Fund Manufacturing trade schools	229,262 39	\$ 2,239 00 181,686 92
Receipts and earnings		749 80
Sale of property		105,330 31
	\$603,738 79	\$290,006 03
	,000,,00 10	Ψ=00,000 08

Indiana State Farm—	Disburseme		Receipts
Maintenance	\$84,233	58	
Repairs	2,798	63	
Recapturing prisoners	869	13	
Material for three cottages	400	00	
Material for five kilns	260	10	
Completion of dormitory and hospital	1,608	38	
Radiation dryer and brick kiln			
Industry Fund			\$70,102 14
Transportation of prisoners		00	
			2,752 93
Receipts and earnings	•		2,770 19
	\$154,121	19	\$75,625 26
Indiana School for Deaf-	V101,111	~~	Q10,020 20
Maintenance	\$135,776	41	
Repairs			
Industries			
Library			
Painting			
Coal bunkers and coal hauling equipment			
Fencing, tools and agricultural equipment		30	
Receipts and earnings			1,017 98
Receipts from counties			171 55
	\$150,007	77	\$1,189 53
Indiana School for Blind-			
Maintenance	\$63,882	97	
Repairs	2,493	49	
Books, musical instruments, etc	1,319	01	
Receipts and earnings			\$459 31
	\$67.695	47	\$459.31
Farm Colony for Feeble-Minded-	\$67,695	47	.\$459 31
Farm Colony for Feeble-Minded-			.\$459 31
Maintenance	. \$40,696	53	.\$459 31
Maintenance Material and equipment	\$40,696 34,239	53 15	.\$459 31
Maintenance Material and equipment Building and equipment three colony houses	\$40,696 34,239 29,378	53 15 36	.\$459 31
Maintenance Material and equipment Building and equipment three colony houses. Administration and service building	\$40,696 \$4,239 \$29,378 \$1,789	53 15 36 07	.\$459 31
Maintenance Material and equipment Building and equipment three colony houses Administration and service building Fencing and tiling farm	\$40,696 \$4,239 \$29,378 \$1,789 \$4,991	53 15 36 07 03	.\$459 31
Maintenance Material and equipment Building and equipment three colony houses Administration and service building Fencing and tiling farm Purchase of livestock	\$40,696 34,239 29,378 1,789 4,991 165	53 15 36 07 03 00	.\$459 31
Maintenance Material and equipment Building and equipment three colony houses Administration and service building Fencing and tiling farm	\$40,696 34,239 29,378 1,789 4,991 165	53 15 36 07 03	.\$459 31
Maintenance Material and equipment Building and equipment three colony houses. Administration and service building Fencing and tiling farm Purchase of livestock Nursery stock Receipts and earnings	\$40,696 \$4,239 29,378 1,789 4,991 165	53 15 36 07 03 00	.\$459 31 \$452 27
Maintenance Material and equipment Building and equipment three colony houses. Administration and service building Fencing and tiling farm Purchase of livestock Nursery stock	\$40,696 \$4,239 29,378 1,789 4,991 165	53 15 36 07 03 00	
Maintenance Material and equipment Building and equipment three colony houses. Administration and service building Fencing and tiling farm Purchase of livestock Nursery stock Receipts and earnings	\$40,696 \$4,239 29,378 1,789 4,991 165	53 15 36 07 03 00 45	\$452 27 565 26
Maintenance Material and equipment Building and equipment three colony houses. Administration and service building Fencing and tiling farm Purchase of livestock Nursery stock Receipts and earnings Individual support	\$40,696 \$4,239 29,378 1,789 4,991 165	53 15 36 07 03 00 45	\$452 2 7
Maintenance Material and equipment Building and equipment three colony houses. Administration and service building Fencing and tiling farm Purchase of livestock Nursery stock Receipts and earnings Individual support Purdue University—	\$40,696 34,239 29,378 1,789 4,991 165 40 \$111,299	53 15 36 07 03 00 45	\$452 27 565 26 \$1,017 53
Maintenance Material and equipment Building and equipment three colony houses. Administration and service building Fencing and tiling farm Purchase of livestock Nursery stock Receipts and earnings Individual support Purdue University— United States appropriation	\$40,696 34,239 29,378 1,789 4,991 165 40 \$111,299	53 15 36 07 03 00 45	\$452 27 565 26
Maintenance Material and equipment Building and equipment three colony houses. Administration and service building Fencing and tiling farm Purchase of livestock Nursery stock Receipts and earnings Individual support Purdue University— United States appropriation Annual state appropriation	\$40,696 \$4239 29,378 1,789 4,991 165 40 \$1111,299 \$50,000 282,232	53 15 36 07 03 00 45 59	\$452 27 565 26 \$1,017 53
Maintenance Material and equipment Building and equipment three colony houses. Administration and service building Fencing and tiling farm Purchase of livestock Nursery stock Receipts and earnings Individual support Purdue University— United States appropriation	\$40,696 \$42,39 29,378 1,789 4,991 165 40 \$1111,299 \$50,000 282,232	53 15 36 07 03 00 45 59	\$452 27 565 26 \$1,017 53
Maintenance Material and equipment Building and equipment three colony houses. Administration and service building Fencing and tiling farm Purchase of livestock Nursery stock Receipts and earnings Individual support Purdue University— United States appropriation Annual state appropriation	\$40,696 34,239 29,878 1,789 4,991 165 40 \$1111,299 \$50,000 282,232 17,000	53 15 36 07 03 00 45 59 00 87 00	\$452 27 565 26 \$1,017 53
Maintenance Material and equipment Building and equipment three colony houses. Administration and service building Fencing and tiling farm Purchase of livestock Nursery stock Receipts and earnings Individual support Purdue University— United States appropriation Annual state appropriation Interest on bonds	\$40,696 34,239 29,378 1,789 4,991 165 40 \$111,299 \$50,000 282,232 17,000	53 15 36 07 03 00 45 59	\$452 27 565 26 \$1,017 53 \$50,000 00
Maintenance Material and equipment Building and equipment three colony houses. Administration and service building Fencing and tiling farm Purchase of livestock Nursery stock Receipts and earnings Individual support Purdue University— United States appropriation Annual state appropriation Interest on bonds Appropriation, General Fund one cent levy, Acts 1921	\$40,696 34,239 29,878 1,789 4,991 165 40 \$1111,299 \$50,000 282,232 17,000	53 15 36 07 03 00 45 59	\$452 27 565 26 \$1,017 53
Maintenance Material and equipment Building and equipment three colony houses. Administration and service building Fencing and tiling farm Purchase of livestock Nursery stock Receipts and earnings Individual support Purdue University— United States appropriation Annual state appropriation Interest on bonds Appropriation, General Fund one cent levy, Acts 1921 Indiana University—	\$40,696 \$42,39 29,878 1,789 4,991 165 40 \$111,299 \$50,000 282,232 17,000 114,111 \$463,344	53 15 36 07 03 00 45 59 00 87 00 59	\$452 27 565 26 \$1,017 53 \$50,000 00
Maintenance Material and equipment Building and equipment three colony houses. Administration and service building Fencing and tiling farm Purchase of livestock Nursery stock Receipts and earnings Individual support Purdue University— United States appropriation Annual state appropriation Interest on bonds Appropriation, General Fund one cent levy, Acts 1921 Indiana University— Robert Long Hospital	\$40,696 34,239 29,878 1,789 4,991 165 40 \$111,299 \$50,000 282,232 17,000 114,111 \$463,344	53 15 36 07 03 00 45 59 00 87 00 59 46	\$452 27 565 26 \$1,017 53 \$50,000 00
Maintenance Material and equipment Building and equipment three colony houses. Administration and service building Fencing and tiling farm Purchase of livestock Nursery stock Receipts and earnings Individual support Purdue University— United States appropriation Annual state appropriation Interest on bonds Appropriation, General Fund one cent levy, Acts 1921 Indiana University—	\$40,696 34,239 29,878 1,789 4,991 165 40 \$111,299 \$50,000 282,232 17,000 114,111 \$463,344	53 15 36 07 03 00 45 59 00 87 00 59 46	\$452 27 565 26 \$1,017 53 \$50,000 00
Maintenance Material and equipment Building and equipment three colony houses. Administration and service building Fencing and tiling farm Purchase of livestock Nursery stock Receipts and earnings Individual support Purdue University— United States appropriation Annual state appropriation Interest on bonds Appropriation, General Fund one cent levy, Acts 1921 Indiana University— Robert Long Hospital	\$40,696 34,239 29,378 1,789 4,991 165 40 \$111,299 \$50,000 282,232 17,000 114,111 \$463,344 \$65,000 2,776	53 15 36 07 03 00 45 59 00 87 00 59 46	\$452 27 565 26 \$1,017 53 \$50,000 00
Maintenance Material and equipment Building and equipment three colony houses. Administration and service building Fencing and tiling farm Purchase of livestock Nursery stock Receipts and earnings Individual support Purdue University— United States appropriation Annual state appropriation Interest on bonds Appropriation, General Fund one cent levy, Acts 1921 Indiana University— Robert Long Hospital Waterman property rentals	\$40,696 34,239 29,378 1,789 4,991 165 40 \$111,299 \$50,000 282,232 17,000 114,111 \$463,344 \$65,000 2,776 114,111	53 15 36 07 03 00 45 59 00 87 00 59 46	\$452 27 565 26 \$1,017 53 \$50,000 00 \$50,000 00
Maintenance Material and equipment Building and equipment three colony houses. Administration and service building Fencing and tiling farm Purchase of livestock Nursery stock Receipts and earnings Individual support Purdue University— United States appropriation Annual state appropriation Interest on bonds Appropriation, General Fund one cent levy, Acts 1921 Indiana University— Robert Long Hospital Waterman property rentals Appropriation, General Fund one cent levy, acts 1921	\$40,696 34,239 29,378 1,789 4,991 165 40 \$111,299 \$50,000 282,232 17,000 114,111 \$463,344 \$65,000 2,776	53 15 36 07 03 00 45 59 00 87 00 59 46	\$452 27 565 26 \$1,017 53 \$50,000 00
Maintenance Material and equipment Building and equipment three colony houses. Administration and service building Fencing and tiling farm Purchase of livestock Nursery stock Receipts and earnings Individual support Purdue University— United States appropriation Annual state appropriation Interest on bonds Appropriation, General Fund one cent levy, Acts 1921 Indiana University— Robert Long Hospital Waterman property rentals Appropriation, General Fund one cent levy, acts 1921 Indiana State Normal—	\$40,696 34,239 29,878 1,789 4,991 165 40 \$111,299 \$50,000 282,232 17,000 114,111 \$463,344 \$65,000 2,776 114,111 \$181,888	53 15 36 007 03 000 45 59 00 87 00 59 46 00 88 59	\$452 27 565 26 \$1,017 53 \$50,000 00 \$50,000 00
Maintenance Material and equipment Building and equipment three colony houses. Administration and service building Fencing and tiling farm Purchase of livestock Nursery stock Receipts and earnings Individual support Purdue University— United States appropriation Annual state appropriation Interest on bonds Appropriation, General Fund one cent levy, Acts 1921 Indiana University— Robert Long Hospital Waterman property rentals Appropriation, General Fund one cent levy, acts 1921	\$40,696 34,239 29,878 1,789 4,991 165 40 \$111,299 \$50,000 282,232 17,000 114,111 \$463,344 \$65,000 2,776 114,111 \$181,888	53 15 36 007 03 000 45 59 00 87 00 59 46 00 88 59	\$452 27 565 26 \$1,017 53 \$50,000 00 \$50,000 00
Maintenance Material and equipment Building and equipment three colony houses. Administration and service building Fencing and tiling farm Purchase of livestock Nursery stock Receipts and earnings Individual support Purdue University— United States appropriation Annual state appropriation Interest on bonds Appropriation, General Fund one cent levy, Acts 1921 Indiana University— Robert Long Hospital Waterman property rentals Appropriation, General Fund one cent levy, acts 1921 Indiana State Normal—	\$40,696 34,239 29,878 1,789 4,991 165 40 \$111,299 \$50,000 282,232 17,000 114,111 \$463,344 \$65,000 2,776 114,111 \$181,888	53 15 36 007 03 000 45 59 00 85 59 46 80 85	\$452 27 565 26 \$1,017 53 \$50,000 00 \$50,000 00

Insurance Department—	Disburseme		Receipts	
Salaries and expense	\$39,557		\$360	85
Expense and special fees			1,714	37
Insurance taxes		03	1,141,162	
Insurance fees			121,238	78
Steel filing cases	1,500	00		
	\$42,154	99	\$1,264,476	27
Banking Department—				
Salaries and expense	\$54,610	93		
Expense and special fees	112	89	\$112	94
Bank fees			83,192	75
	\$54,723	82	\$83,305	69
Board of Pharmacy—	**-/		,,	
Pharmacy Fund	\$5,986	25	\$9,141	00
Anti-Narcotic Fund	4,995		ΨΟ,ΣΙΣ	00
zino-rarcono rana				
	\$10,981	75	\$9,141	00
Towns and and the sent	850.005	0.4		
Emergency and contingent				
Legislative expenses				
Legislative Visiting Committee			•	
Presidential electors				
Board of Medical Registration and Examination			\$7,090	
Board of Embalmers			2,430	
Board of Optometry			1,227	
Board of Registration and Examination of Nurses			3,725	
Board of Agriculture			631	18
Horticultural Society				
Dairymen's Association				
Stock Breeders' Association				
State Corn Growers' Association				
Indiana Historical Commission			28	00
Grand Army of The Republic				
Specific appropriations				
Lunacy Commission		00		
Escaped prisoners—Sheriff's expense				
Public Library Commission				
Memorial Art Commission		49		
Board of Finance				
Coal and Food Commission			82,579	16
Child Welfare Commission				
Rhoda J. Chase, pension				
Indiana War Memorial				
Juvenile probation officer				
Battle Flag Commission				
Teachers' Retirement Fund		60	21,526	
State tax			998,200	80
Tax refunded		88		
Depository interest			53,588	
Transportation tax			39,974	
Vessel tonnage tax			1,316	
General Fund miscellaneous receipts			3,682	
Investment interest receipts		11	12,418	
Transfer warrants	11,052	11	2,814,817	70
Totals General Fund	\$8,615,641	95	\$7,731,993	61

BENEVOLENT INSTITUTION FUND

Tax from counties	Disbursements \$2,814,817 70	Receipts \$2,814,817 70
	\$2,814,817 70	\$2,814,817 70
EDUCATIONAL INSTITUTION FUN	ĮD.	
Purdue University—		
Tax from counties		\$636,253 20
Depository interest Payroll and miscellaneous Building Fund	\$518,024 38 17,645 00	7,656 25
	\$535,669 38	\$643,909 45
Indiana University—		
Tax from counties		\$636,253 20
Depository interest		1,355 76
Payroll and miscellaneous	\$637,195 71	
	\$637,195 71	\$637,608 96
Indiana State Normal—		0010 100 01
Tax from counties		\$318,126 61 457 89
Payroll and miscellaneous	\$318,257 68	401 00
	\$318,257 68	\$318,584 50
Totals Educational Institution Fund	\$1,491,122 77	\$1,600,102 91
VOCATIONAL EDUCATIONAL FUN	1D	
Industrial, agricultural and domestic science	\$321,254 75	\$37 33
County agents		φ01 00
Depository interest		848 21
Government aid		113,906 53
Tax from counties		113,805 88
Investment account—Principal	76,380 78	261,754 00
Investment account—Interest		14,014 62 11,052 11
bace and Ichamiteaton		
	\$477,508 51	\$515,418 68
STATE DEBT SINKING FUND		
Investment account	\$262,978 12	\$348,460 02
COMMON SCHOOL FUND		
Transfer from Hydrophobia Fund		\$9,575 74
Reclamation state land		348 60
		\$9,924 34
SALE OF STATE LANDS		Q0,021 01
Sale of state land	\$173 50	\$10,555 31
UNCLAIMED ESTATES		
On Children Co.		
Unclaimed estates	\$1,394 78	\$3,696 97

3-19930

SCHOOL REVENUE FOR TUITION

Tax from counties	1	Disburseme	nts	Receipts	
Unclaimed fees	Tax from counties			\$3,267,944	67
Manuscript fees	School Fund interest	•		616,021	53
Show license					
Apportionment	-				
Town and township deficiency \$3,819,435 16 \$3,896,916 01				7,396	00
S3,819,435 16 \$3,896,916 01					
Permanent endowment fund interest \$45,871 72 \$45,87	Town and township deficiency	384,100	97		
Interest from counties		\$3,819,435	16	\$3,896,916	01
Professors' salaries Indiana University	PERMANENT ENDOWMENT FUND INT	EREST			
Professors' salaries Indiana University	Interest from counties			\$45 871	79
ROAD FUND \$45,871 72 \$45,		\$45.871	72	φ40,011	12
ROAD FUND Substitute Subs	TIOTESSOIS SAMITES INCIDENCE CONTROL OF THE CONTROL	ψ10,011			
Automobile fees \$2,403,703 16 Depository interest 45,596 20 Expense and refund \$168,712 57 24,958 67 Transfer warrant 2,305,545 46 FIRE MARSHAL \$2,474,258 03 FIRE MARSHAL \$68,517 06 Salaries and expense \$46,999 67 \$68,657 52 HYDROPHOBIA \$20,955 95 Transfer warrants \$11,534 29 Salaries and expense \$5,712 55 Transfer warrants \$11,534 29 Salaries and expense \$5,100,829 17 \$77,674 10 Construction \$3,233,241 99 57,276 54 Tax from counties \$2,213,164 30 Transfer warrant \$652,597 10 Transfer warrant \$652,597 10 Transfer warrant \$108,758 15 Salaries and expense \$108,758 15 Fees \$365,973 75 Depository interest \$108,758 15 \$366,417 40 WORLD WAR MEMORIAL FUND \$108,758 15 Tax from counties \$108,758 15 \$366,417 40 WORLD WAR MEMORIAL FUND \$108,758 15 Tax from counties \$108,758 15 \$366,417 40 WORLD WAR MEMORIAL FUND \$108,758 15 \$366,417 40 \$108,758 15 \$366,417 40 \$108,758 15 \$366,417 40 \$108,758 15 \$366,417 40 \$108,758 15 \$366,417 40 \$108,758 15 \$366,417 40 \$108,758 15 \$366,417 40 \$108,758 15 \$366,417 40 \$108,758 15 \$366,417 40 \$108,758 15 \$108,758 15 \$108,758 15 \$108,758 15 \$108,758 15 \$108,758 15 \$108,758 15 \$108,758 15 \$108,758 15		\$45,871	72	\$45,871	72
Depository interest	ROAD FUND				
Expense and refund \$168,712 57 24,958 67 Transfer warrant 2,305,545 46 \$2,474,258 03 \$2,474,258 03 FIRE MARSHAL Tax from companies \$68,517 06 Salaries and expense \$46,999 67 140 46 Receipts from counties \$46,999 67 \$68,657 52 HYDROPHOBIA Receipts from counties \$5,712 55 Transfer warrants 11,534 29 STATE HIGHWAY FUND Salaries and expense \$5,712 55 Tax from counties \$5,010,829 17 \$77,674 10 Construction \$3,233,241 99 57,276 54 Tax from counties \$2,213,184 30 Federal aid \$1,446,622 73 Inheritance tax \$652,597 10 Transfer warrant \$2,305,545 46 \$\$108,758 15 \$365,417 40 WORLD WAR MEMORIAL FUND Tax from counties \$108,758 15 \$366,417 40 WORLD WAR MEMORIAL FUND Tax from counties \$108,758 15 \$366,417 40 Propository interest \$108,758 15 \$366,417 40 Salaries and expense \$108,758 15 \$366,417 40 Salaries and counties \$179,776 30					
Transfer warrant 2,305,545 46 \$2,474,258 03 \$2,474,258 03 \$2,474,258 03 FIRE MARSHAL Tax from companies \$68,517 06 Salaries and expense \$46,999 67 140 46 Receipts from counties \$20,955 95 Salaries and expense \$5,712 55 Transfer warrants 11,534 29 STATE HIGHWAY FUND Salaries and expense \$5,010,829 17 \$77,674 10 Construction 3,233,241 99 57,276 54 Tax from counties \$2,213,184 30 1,446,622 73 Inheritance tax \$652,597 10 Transfer warrant \$2,305,545 46 \$8,244,071 16 \$6,752,900 23 AUTO THEFT FUND Salaries and expense \$108,758 15 \$366,417 40 WORLD WAR MEMORIAL FUND Tax from counties \$108,758 15 \$366,417 40 Popository interest \$179,776 30 Depository interest \$179,776 30 648 90					
### STATE HIGHWAY FUND Salaries and expense \$5,010,829 17,276 54 Tax from counties \$5,010,829 17 Tax from counties \$1,446,622 73 Tax from counties \$8,244,071 16 Salaries and expense \$1,234 54 Tansfer warrant \$1,246 84 Salaries and expense \$2,213,184 30 Federal aid \$1,446,622 73 Inheritance tax \$65,597 10 Tansfer warrant \$8,244,071 16 Salaries and expense \$108,758 15 Fees \$108,758 15 Salaries and expense \$108,758 15 Fees \$108,758 15 Salaries and expense \$108,758 15 Salaries and expe				24,958	67
Tax from companies \$68,517 06 Salaries and expense \$46,999 67 140 46 \$46,999 67 \$68,657 52	Transfer warrant	2,305,545	46		
Tax from companies \$46,999 67 \$68,517 06 Salaries and expense \$46,999 67 \$68,657 52 HYDROPHOBIA Receipts from counties \$5,712 55 \$20,955 95 Salaries and expense \$5,712 55 \$20,955 95 Transfer warrants \$11,534 29 \$77,674 10 Salaries and expense \$5,010,829 17 \$77,674 10 Construction 3,233,241 99 57,276 54 Tax from counties 2,213,184 30 Federal aid 1,446,622 73 Inheritance tax 652,597 10 Transfer warrant 2,305,545 46 \$8,244,071 16 \$6,752,900 23 Auto Theff fund \$65,973 75 Depository interest \$108,758 15 \$365,973 75 WORLD WAR MEMORIAL FUND \$108,758 15 \$366,417 40 WORLD WAR MEMORIAL FUND \$179,776 30 Depository interest 648 90		\$2,474,258	03	\$2,474,258	03
Salaries and expense \$46,999 67 \$68,657 52	FIRE MARSHAL				
Salaries and expense \$46,999 67 \$68,657 52	Tax from companies			\$68.517	06
Second		\$46,999	67		
HYDROPHOBIA \$20,955 95 \$2					
Receipts from counties \$20,955 95 Salaries and expense \$5,712 55 Transfer warrants \$11,534 29 \$17,246 84 \$20,955 95 Salaries and expense \$5,010,829 17 \$77,674 10 Construction 3,233,241 99 57,276 54 Tax from counties 2,213,184 30 Federal aid 1,446,622 73 Inheritance tax 652,597 10 Transfer warrant 2,305,545 46 \$8,244,071 16 \$6,752,900 23 Auto THEFT FUND Salaries and expense \$108,758 15 \$65,973 75 Depository interest \$108,758 15 \$366,417 40 WORLD WAR MEMORIAL FUND Tax from counties \$179,776 30 Depository interest 648 90		\$46,999	67	\$68,657	52
Salaries and expense \$5,712 55 Transfer warrants \$11,534 29 \$17,246 84 \$20,955 95 STATE HIGHWAY FUND Salaries and expense \$5,010,829 17 \$77,674 10 Construction 3,233,241 99 57,276 54 Tax from counties 2,213,184 30 Federal aid 1,446,622 73 Inheritance tax 652,597 10 Transfer warrant 2,305,545 46 Salaries and expense \$108,758 15 Fees 365,973 75 Depository interest \$108,758 15 \$366,417 40 WORLD WAR MEMORIAL FUND Tax from counties \$179,776 30 Depository interest 648 90	НУDROPHOBIA				
Transfer warrants 11,534 29 \$17,246 84 \$20,955 95 STATE HIGHWAY FUND Salaries and expense \$5,010,829 17 \$77,674 10 Construction 3,233,241 99 57,276 54 Tax from counties 2,213,184 30 Federal aid 1,446,622 73 Inheritance tax 652,597 10 Transfer warrant 2,305,545 46 \$8,244,071 16 \$6,752,900 23 AUTO THEFT FUND Salaries and expense \$108,758 15 Fees 365,973 75 Depository interest \$108,758 15 \$366,417 40 WORLD WAR MEMORIAL FUND Tax from counties \$179,776 30 Depository interest \$179,776 30 Depository interest 648 90	Receipts from counties			\$20,955	95
Transfer warrants 11,534 29 \$17,246 84 \$20,955 95 STATE HIGHWAY FUND Salaries and expense \$5,010,829 17 \$77,674 10 Construction 3,233,241 99 57,276 54 Tax from counties 2,213,184 30 Federal aid 1,446,622 73 Inheritance tax 652,597 10 Transfer warrant 2,305,545 46 \$8,244,071 16 \$6,752,900 23 AUTO THEFT FUND Salaries and expense \$108,758 15 Fees 365,973 75 Depository interest \$108,758 15 \$366,417 40 WORLD WAR MEMORIAL FUND Tax from counties \$179,776 30 Depository interest \$179,776 30 Depository interest 648 90	Salaries and expense	\$5,712	55		
STATE HIGHWAY FUND Salaries and expense \$5,010,829 17 \$77,674 10		11,534	29		
STATE HIGHWAY FUND Salaries and expense \$5,010,829 17 \$77,674 10					_
Salaries and expense \$5,010,829 17 \$77,674 10 Construction 3,233,241 99 57,276 54 Tax from counties 2,213,184 30 Federal aid 1,446,622 78 Inheritance tax 652,597 10 Transfer warrant 2,305,545 46 Salaries and expense \$108,758 15 Fees 365,973 75 Depository interest 443 65 WORLD WAR MEMORIAL FUND Tax from counties \$179,776 30 Depository interest 648 90		\$17,246	84	\$20,955	95
Construction 3,233,241 99 57,276 54 Tax from counties 2,213,184 30 Federal aid 1,446,622 73 Inheritance tax 652,597 10 Transfer warrant 2,305,545 46 Salaries and expense \$108,758 15 Fees 365,973 75 Depository interest 443 65 WORLD WAR MEMORIAL FUND Tax from counties \$179,776 30 Depository interest 648 90	STATE HIGHWAY FUND				
Tax from counties 2,213,184 30 Federal aid 1,446,622 73 Inheritance tax 652,597 10 Transfer warrant 2,305,545 46 **Salaries and expense Fees \$108,758 15 Depository interest 365,973 75 **WORLD WAR MEMORIAL FUND **Tax from counties \$179,776 30 Depository interest 648 90					
Tederal aid		3,233,241	99		
Inheritance tax					
Transfer warrant 2,305,545 46 \$8,244,071 16 \$6,752,900 23 AUTO THEFT FUND Salaries and expense \$108,758 15 Fees 365,973 75 Depository interest 443 65 WORLD WAR MEMORIAL FUND Tax from counties \$179,776 30 Depository interest 648 90					
\$8,244,071 16 \$6,752,900 23 AUTO THEFT FUND Salaries and expense \$108,758 15 Fees 365,973 75 Depository interest 443 65 WORLD WAR MEMORIAL FUND Tax from counties \$179,776 30 Depository interest 648 90		* range of			
AUTO THEFT FUND Salaries and expense \$108,758 15 Fees \$365,973 75 Depository interest \$443 65 \$108,758 15 \$366,417 40 WORLD WAR MEMORIAL FUND Tax from counties \$179,776 30 Depository interest \$48 90	Transfer warrant			2,305,545	46
Salaries and expense \$108,758 15 365,973 75 Fees 448 65 Depository interest \$108,758 15 \$366,417 40 WORLD WAR MEMORIAL FUND Tax from counties \$179,776 30 Depository interest 648 90		\$8,244,071	16	\$6,752,900	23
Tax from counties \$179,776 30 Depository interest \$18,758 15 \$366,417 40 \$108,758 15 \$366,417 40 \$179,776 30 \$648 90 \$179,776 30 \$179,	AUTO THEFT FUND				
Tax from counties \$179,776 30 Depository interest \$18,758 15 \$366,417 40 \$108,758 15 \$366,417 40 \$179,776 30 \$	Salaries and expense	\$108,758	15		
### WORLD WAR MEMORIAL FUND Tax from counties ### \$179,776 30 Depository interest 648 90	-	,,		365,973	75
WORLD WAR MEMORIAL FUND Tax from counties \$179,776 30 Depository interest 648 90	Depository interest			443	65
WORLD WAR MEMORIAL FUND Tax from counties \$179,776 30 Depository interest 648 90		e100 750	15	22CC 417	40
Tax from counties \$179,776 30 Depository interest 648 90			19	φου0,417	40
Depository interest					
Total\$28,420,278 06 \$26,841,371 60	Depository interest			648	90
	Total	\$28,420,278	06	\$26,841,371	60

STATE DEBT

Purdue University—Non-negotiable 5 per cent bonds\$340,000 00 Five per cent stock certificates issued under Act
1845 and 1846
the same Act
Total\$345,615 12

STATE TAXES OF INDIANA

YEAR	State Revenue	State School Revenue	Benevolent Institution	State Debt Sinking Fund	Educational Institution	Vocational Education	Highway Commission	Memorial Fund	Agricultural Experi- ment Station	Teachers' Retirement Fund	Total Levies.
1900 1901 1902 1903 1904 1905 1906 1907 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1918 1919 1920 1921	9 9 9 9 12 12 12 9 9 9 7 7 7 4 4 2 1	11 11 11 11 11 11.6 13.6 13.6 13.6 13.6	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	3 3 3 3 3 3 1.5 1.5 1.5 1.5 1.5 1.5	1.666 1.666 1.666 2.75 2.75 2.75 2.75 2.75 2.75 2.75 2.75	1 1 1 1 .5 .5 .2 .2	3.9 3.9 3.3	.6	.4	.2	29.666 29.666 30.75 30.75 31.35 31.35 33.35 33.35 31.85 40.10 40.10 40.10 40.10 35.10 18.00 20.00 24.00

TAXABLE PROPERTY—VALUATIONS AND MORTGAGE EXEMPTIONS

Total Value of Real Estate	\$34,712,840 145,436,350 35,960,855 55,751,330 17,111,635	48, 613, 970 2, 534, 530 39, 874, 070 51, 043, 010 16, 703, 990	18,407,925 58,873,125 3,134,290 24,632,755 13,557,780	28, 633, 585 29, 287, 140 67, 986, 355 11, 449, 580 67, 207, 120	20,965,680 14,012,715 35,865,930 15,521,985 26,371,780	37,737,375 55,459,160 25,541,350 40,550,845 37,094,460	7,202,965 47,696,055 43,464,670 60,626,065 43,937,830
Value of Lots and Improvements	\$92,079,500 8,074,415 3,803,675	5,619,740 112,890 2,807,710 16,320,600 6,914,695	4,317,700 10,560,985 573,685 5,730,045 4,850,500	4,270,325 7,185,980 25,259,735 2,710,335	7,458,790 9,997,050 4,630,620 2,047,415 3,990,620	6,941,815 16,160,900 5,787,910 5,007,940 4,685,190	1,045,070 4,085,555 8,999,510 23,226,120 13,118,970
Value of Improvements	\$48,085 700 4,685,295 2,734,755	3,671,870 75,480 2,073,860 7,881,000 4,089,045	3,053,160 6,044,460 449,005 4,019,355 3,577,625	3,143,800 5,073,665 14,687,150 1,793,460	4,213,700 5,647,067 2,876,310 1,595,900 2,691,535	4,766,465 10,727,670 4,142,255 3,360,510 3,455,330	787, 130 2, 381, 605 5, 834, 630 13, 295, 510 8, 708, 600
Value of Lots	\$43,993,800 3,389,120 1,068,920	1, 947, 870 37, 410 733, 850 8, 439, 600 2, 825, 650	1,264,540 4,516,525 124,680 1,710,690 1,272,875	1,126,525 2,112,315 10,572,585 916,875	3,245,090 4,349,983 1,754,310 451,515 1,299,085	2,175,350 5,433,230 1,645,655 1,647,430 1,229,860	257, 940 1,703, 950 3,164, 880 9,930,610 4,410,970
Value of Lands and Improvements	\$34,712,840 53,356,850 27,886,440 51,947,655 17,111,635	42, 994, 230 2, 421, 640 37, 066, 360 34, 722, 410 9, 789, 295	14,090,225 48,312,140 2,560,605 18,902,710 8,707,280	24,363,260 22,101,160 42,726,620 8,739,245 67,207,120	I3,506,890 4,015,665 31,235,310 13,474,570 22,381,160	30,795,560 39,298,260 19,753,440 35,542,905 32,409,270	6, 157, 895 43, 610, 500 34, 465, 160 37, 399, 945 30, 818, 860
Value of Improvements	\$6.835,380 6,552,380 2,151,665 3,224,890 4,799,005	5, 424,090 454,270 3,656,165 3,380,605 1,727,745	2, 736, 685 4, 112, 460 4, 26, 635 1, 922, 845 1, 859, 920	2,833,525 4,431,560 7,749,805 1,432,475 26,382,030	1,754,210 1,293,060 2,353,500 2,247,405 2,865,405	3,360,090 5,290,450 2,650,290 3,729,195 3,949,880	1,474,530 4,073,740 4,677,210 6,220,310 5,266,860
Value of Lands	\$27, 877, 460 46, 804, 470 25, 734, 775 48, 722, 765 12, 312, 630	37,570,140 1,967,370 33,410,195 31,341,805 8,061,550	11,353,540 44,199,680 2,133,970 16,979,865 6,847,360	21,529,735 17,669,600 34,976,815 7,306,770 40,825,090	11,752,680 2,722,605 28,881,810 11,227,165 19,515,755	27, 435, 470 34,007, 810 17, 103, 150 31, 813, 710 28, 459, 390	4, 683, 365 39, 536, 760 29, 787, 950 31, 179, 635 25, 552, 000
COUNTIES	Adams. Allen. Bartholomew. Bentoon.	Boone Brown. Carroll. Cass. Clark	Clay. Clinton. Crawford. Daviess. Dearborn.	Decatur Dekalb. Delaware. Dubois. Elkhart.	Fayette Floyd Fountain Franklin Fulfon	Gibson Grant Grene Hamilton Hamook.	Harrison. Hendricks Henry. Howard Huntington.

TAXABLE PROPERTY-VALUATIONS AND MORTGAGE EXEMPTIONS-Continued

COUNTIES	Value of Lands	Value of Improvements	Value of Lands and Improvements	Value of Lots	Value of Improvements	Value of Lots and Improvements	Total Value of Real Estate
St. Joseph Sullivan Switzerland Tippecanoe	\$22,026,370 19,596,705 4,124,240 48,609,600 30,499,605	\$3,908,710 2,956,435 1,023,560 4,792,265 2,497,740	\$25,935,080 22,553,140 5,147,800 53,398,865 32,997,345	\$41,311,300 1,746,500 166,460 8,528,025 1,083,960	\$44,096,320 3,592,635 527,330 14,539,775 1,968,315	\$85,407,620 5,339,135 693,790 23,067,800 3,052,275	\$111,342,700 27,892,275 5,841,590 76,466,665 36,049,620
Union.	9,847,250	1,701,400	11,548,650	324,030	974,990	1,299,020	12,847,670
Vanderburgh.	14,784,230	3,640,530	18,424,760	33,104,090	38,698,340	71,802,430	90,227,190
Vermillion.	16,741,135	2,098,715	18,839,850	2,648,555	5,808,940	8,457,495	27,297,345
Vigo.	22,438,860	5,288,590	27,727,450	27,997,480	31,561,290	59,558,770	87,286,220
Wabash	28, 886, 400	4,105,335	32, 991, 735	2,944,370	6,147,740	9,092,110	42,083,845
Warren	32, 731, 330	1,417,130	34, 148, 460	238,540	654,210	892,750	35,041,210
Warriek	10, 946, 335	1,821,160	12, 767, 495	864,975	1,795,955	2,660,930	15,428,425
Washington	8, 198, 440	1,590,360	9, 788, 800	961,630	1,862,955	2,824,585	12,613,385
	25,788,160	7,000,240	32,788,400	7,876,340	14,892,820	22,769,160	55, 557, 560]
	28,648,535	4,354,505	33,003,040	1,178,840	3,008,455	4,187,295	37, 190, 335
	37,522,200	2,603,090	40,125,290	1,157,070	3,201,040	4,358,110	44, 483, 400]
	18,766,850	3,563,060	22,329,910	1,031,100	2,593,100	3,624,200	25, 954, 110]
Totals	\$2,287,579,832	\$654,287,032	\$2,941,866,864	\$330,287,343	\$492,572,782	\$822,860,125	\$3,764,726,989]

TAXABLE PROPERTY-VALUATIONS AND MORTGAGE EXEMPTIONS-Continued

Polls	3,076 18,566 3,650 1,756 2,079	4,040 2,712 6,014 4,229	4,838 4,739 1,611 4,180 3,038	2,950 3,990 9,139 3,156 9,367	3,298 3,720 2,360 2,529	3,035 3,035 3,035
P.						
Total Net Value of Taxables	\$50,236,490 229,160,870 52,858,105 72,158,740 30,133,145	71,501,245 4,027,250 53,185,711 79,536,200 31,424,680	34,366,330 81,790,800 6,112,340 34,928,295 25,200,890	41,453,150 52,124,835 115,774,365 19,052,285 112,675,930	34,216,555 25,600,463 48,690,210 22,988,636 42,173,400	53,734,915 96,444,930 42,449,467 57,475,435 56,450,060
Soldiers' Exemptions (Deducted from Personal Property)	\$77,995	58,620	20,880	6,075		
Value of Personal and Corporation Property	\$12,192,790 64,213,370 12,338,060 10,312,430 9,235,455	16,358,505 1,230,010 8,820,530 13,836,160 6,450,545	9,978,730 15,691,400 2,060,265 9,013,030 7,695,730	9,163,445 11,702,695 40,775,285 6,186,955 30,978,200	12, 258, 170 9, 206, 660 9, 039, 630 6, 508, 031 10, 120, 795	11,423,120 30,273,550 12,407,175 14,169,248 12,268,380
Value of Express Company Property	\$5,580 20,610 8,345 8,420 2,795	7,310 1,140 5,901 10,810 7,230	26,645 26,645 2,570 6,375 5,185	6,100 9,695 10,785 5,565 11,295	5,780 3,000 9,000 7,590	114, 230 15, 130 13, 347 5, 963 6, 110
Value of Telegraph and Telephone Property	\$275,180 1,479,740 304,040 610,020 170,265	508,380 21,900 291,153 737,935 355,030	385,290 494,885 74,805 156,035 186,230	308,510 733,885 992,695 172,860 941,320	56,890 512,265 253,220 81,420 291,210	399,085 813,610 500,500 548,315 425,400
Value of Steam and Electric Railroad	\$4, 209, 390 23, 175, 020 5, 039, 760 6, 002, 360 4, 007, 930	7,349,150 396,670 4,902,822 15,482,520 8,492,260	6,384,640 7,997,670 992,500 2,557,605 4,456,870	3,971,210 11,612,410 8,557,455 1,719,650 15,293,135	1,707,025 2,447,925 4,417,440 1,306,275 6,320,955	5,187,635 11,013,310 4,994,095 3,451,134 7,450,230
Net Value of Real Estate	\$33, 553, 550 140, 272, 130 35, 245, 895 55, 225, 510 16, 716, 700	47, 336, 520 2, 377, 530 39, 165, 305 49, 479, 070 16, 119, 615	17,631,135 57,580,200 2,982,200 23,195,250 12,856,875	28,009,960 28,066,150 65,438,145 10,967,255 65,451,980	20,188,690 13,430,613 34,970,920 15,088,670 25,432,850	36,610,845 54,329,330 24,534,350 39,300,775 36,299,940
Mortgage Exemptions (To be deducted)	\$1,159,290 5,164,220 714,960 525,820 394,935	1,277,450 157,000 708,765 1,563,940 584,375	776,790 1,292,925 152,090 1,437,505 700,905	623, 625 1, 220, 990 2, 548, 210 482, 325 1, 755, 140	776,990 582,102 895,010 433,315 938,930	1,126,530 1,129,830 1,007,000 1,250,070 794,520
COUNTIES	Adams. Allen. Bartholomew Benton Blackford	Boone. Brown. Carroll. Cass.	Clay. Clinton Crawford Daviess Dearborn	Decatur Dekalb. Delaware. Dubois. Elkhart	Bayette Floyd. Fountain. Franklin. Fulton.	Gibson. Grant. Greene Hamilton Hancock.

TAXABLE PROPERTY—VALUATIONS AND MORTGAGE EXEMPTIONS—Continued

Polls	2,771 3,365 5,431 7,392 4,980	3,752 2,245 3,628 3,062 1,925	3,187 7,023 4,147 2,058 22,242	8,544 3,969 11,535 56,852 3,601	1,703 4,734 3,552 4,579 3,219	1,667 3,514 676 2,597 1,890
Total Net Value of Taxables	\$11,978,735 59,309,470 71,622,340 96,471,915 67,914,760	36,163,010 43,342,730 50,019,070 19,608,315 18,227,925	52,306,390 78,978,651 66,366,835 34,114,115 378,680,055	99,534,281 24,343,125 113,327,830 711,706,020 58,947,416	8, 195, 745 60, 343, 290 25, 886, 830 78, 513, 620 29, 801, 233	45,666,315 52,869,726 4,424,120 16,643,910 17,361,090
Soldiers' Exemptions (Deducted from Personal Property)		\$87,755				22,520
Value of Personal and Corporation Property	\$4,366,079 11,186,265 18,149,320 31,616,990 17,242,650	8,713,260 7,038,890 13,274,925 6,921,200 3,770,280	10,869,915 23,567,299 14,563,885 9,619,675 88,577,855	17, 797, 830 7, 242, 395 32, 848, 865 220, 939, 840 11, 922, 665	2,664,730 10,687,285 7,252,230 16,939,170 8,170,956	8,065,935 12,870,030 1,301,800 4,993,850 4,357,520
Value of Express Company Property	\$1,710 7,870 10,890 9,975 1,028,010	8,790 9,030 5,270 2,510 6,410	6,205 104,841 8,505 5,175 32,840	1,052,601 9,315 10,290 11,415	3,090 10,175 6,070 11,915 4,271	9, 595 7, 749 3, 600 6, 420
Value of Telegraph and Telephone Property	\$136,351 407,025 599,710 660,085 568,670	233, 720 152, 470 324, 465 136, 915 157, 965	405,875 603,970 549,425 348,115 3,124,405	1,313,641 342,285 1,047,520 530,750	60,555 550,245 272,770 970,230 218,791	108,416 741,512 100,970 62,160
Value of Steam and Electric Railroad Property	\$735,860 1,076,255 10,933,610 5,132,460 6,438,620	5,790,310 3,843,220 4,651,435 1,048,320 3,326,560	4,459 355 5,711 162 12,102,575 2,318,425 67,435,570	30,007,459 5,539,875 9,585,140 13,778,906	1,657,285 9,596,830 3,671,580 7,112,390 2,514,445	5,270,719 11,614,690 1,741,220 2,888,630
Net Value of Real Estate	\$6, 738, 735 46, 632, 055 41, 928, 810 59, 052, 405 42, 636, 810	21,416,930 32,299,120 31,762,975 11,587,125 10,966,710	36,565,040 48,991,379 39,142,445 21,822,725 219,509,385	49,362,750 11,209,255 69,836,015 490,766,180 32,703,680	3,810,085 39,498,755 14,684,180 53,479,915 18,892,770	32, 211, 650 27, 635, 745 3, 144, 840 9, 804, 270 10, 049, 090
Mortgage Exemptions (To be deducted)	\$464,230 1,064,000 1,535,860 1,573,660 1,301,020	768,380 672,820 1,240,035 627,330 647,350	926,880 2,557,070 1,220,070 629,745 4,395,330	1,523,950 790,240 2,194,730 14,754,430 1,070,905	317,140 1,235,430 1,062,035 1,596,465 808,350	329,890 803,440 138,580 398,590 482,760
COUNTIES	Harrison Hendricks Henry Howard Huntington	Jackson Jasper Jay Jefferson Jennings	Johnson. Knox Koscuisko La Grange Lake.	Laporte. Lawrence. Madison Marion Marshall	Martin. Miami. Monroe. Montgomery.	Newton Noble Ohio Orange Owen

2,460 2,460 2,853 2,000 2,685	1,919 3,221 4,470 3,023 3,095	1,120 4,393 2,849 1,466 2,017	19,436 5,196 1,459 6,880 2,743	965 18,489 4,850 17,454	4,223 1,558 3,117 2,546	7,867	\$470,414
32,722,425 11,270,670 19,794,320 63,759,950 39,792,909	30, 935, 865 44, 602, 850 72, 289, 930 22, 219, 914 68, 955, 220	9,654,280 72,078,225 20,776,430 27,641,615 25,500,405	207,748,600 43,508,925 7,970,980 107,151,130 49,145,405	18,840,500 149,831,160 45,511,560 138,578,705	65,084,635 46,165,890 22,468,985 19,830,732	90,702,976 53,220,855 57,990,170 42,376,230	\$5,838,717,040
			17,420	8,240	117,270		\$429,800
8,647,750 4,829,170 7,715,940 8,054,850 7,370,630	5,264,108 10,246,460 16,533,360 6,045,085 13,858,960	2,272,455 15,545,150 5,381,820 3,954,175 6,132,805	78,400,420 11,738,730 2,331,340 20,529,410 9,636,610	4,627,600 51,661,090 9,686,615 36,216,915	24,160,030 6,773,980 6,479,145 5,603,496	25,046,918 12,257,915 9,934,380 9,658,440	\$1,510,037,690
7,565 830 3,025 17,400 22,323	8,888 8,888 7,730 7,705	2, 260 6, 645 6, 330 9,880 3,945	14,220 7,060 11,685 5,515	3,030 19,270 7,020 16,680	1,100 7,300 3,880 2,756	11,069 5,465 6,480 5,870	\$2,991,303
191,430 79,610 134,385 1,049,160 176,556	317, 089 279, 325 437, 520 124, 595 295, 195	98,200 408,765 165,400 318,365 225,505	2,519,100 381,420 68,100 959,960 284,925	130,270 1,222,060 289,725 2,473,210	163,910 149,670 102,784	903,166 408,045 279,510 376,830	\$42,824,869
3, 929, 840 162, 560 843, 835 29, 947, 750 3, 177, 030	5 975,965 9,879,315 9,508,150 2,648,590 3,474,100	2,222,625 4,506,875 1,112,560 11,992,590 1,926,195	18,669,350 4,578,770 10,664,115 4,038,445	1,415,750 8,564,540 8,975,535 17,070,850	49,660 4,587,830 1,173,900 2,096,561	11,033,553 4,478,945 4,189,160 7,210,860	\$630,985,761
19,945,840 6,198,500 11,097,135 24,690,790 29,046,370	19,373,070 24,188,855 45,802,170 13,398,605 51,319,260	5,058,740 51,610,790 14,110,320 11,366,605 17,211,955	108,145,510 26,802,945 5,588,960 74,985,960 35,179,910	12,672,090 88,364,200 26,552,665 82,801,050	40,991,115 34,632,870 14,662,390 12,025,135	53,708,270 36,070,485 43,580,640 25,124,230	\$3,652,307,217
539,415 226,940 502,410 935,150 616,115	790,055 1,007,245 1,437,850 711,415 709,135	434,015 1,615,385 527,310 647,755 698,185	3,197,190 1,089,330 252,630 1,480,705 869,710	1,862,990 744,680 4,485,170	1,092,730 408,340 766,035 588,250	1,849,290 1,119,850 902,760 829,880	\$112,419,772
Parke. Perry Pike. Porter Posey.	Pulaski. Putman. Randolph Ripley Rush.	Scott. Shelby. Spencer. Starke. Steuben.	St. Joseph Sullivan. Switzerland. Tippecanoe. Tipton.	Union. Vanderburgh Vermillion. Vigo.	Wabash. Warren. Warrick.	Wayne. Wells White. Whitley	Totals

TAXES LEVIED

н 1		.10 00 · 80	27 .: 05 99	40	02 72 73 :	:1 22 : :	44 : 45 04 : 45
	Other Funds	\$229,160 16,385 18,983	14,300 (68,548 (6,284	34,366 61,343 7,560	13,265 46,309 13,336	23,040	40,301 48,222 14,368 16,935
AXES	Gravel Road Construction Fund	\$175,877 40 150,800 19 106,990 79 115,734 60 61,748 71	117,238 40 13,702 21 147,699 06 141,843 33 81,395 84	77,315 20 132,828 07 21,801 22 88,211 28 39,542 27	147,344 49 46,244 13 144,281 14 41,121 96 166,968 73	17,116 23 44,364 04 106,054 00 49,430 59 258,195 52	141,076 79 198,088 24 26,713 02 153,293 27 93,285 74
COUNTY TAXES	Gravel Road Repair Fund	\$100,472 96 252,076 96 76,115 76 50,511 17 45,199 71	107,251 88 1,208 17 90,415 70 55,675 33 62,850 04	171,832 07 122,686 00 4,890 45 41,913 96 15,120 54	91,196 91 26,062 51 92,619 48 19,052 48 33,803 00	17,108 28 12,800 22 48,690 34 34,484 43 42,173 40	102,096 33 192,889 85 106,124 60 86,214 38 84,675 12
	General Fund	\$125,591 18 316,475 15 75,826 35 39,687 24 91,438 95	123,572 11 33,134 00 151,632 01 173,040 03 64,964 55	138,867 04 100,518 28 27,030 68 85,917 91 77,121 69	63,654 72 166,799 34 212,963 37 56,502 88 207,501 61	64,887 80 87,041 58 92,511 72 69,658 54 84,346 80	103,980 57 219,536 86 90,731 69 75,886 57 121,630 19
	State Soldiers Memorial Fund	\$3,014 19 13,749 63 3,171 48 4,329 66 1,807 98	4,290 09 241 64 3,191 15 4,772 17 1,885 50	2,062 01 4,907 62 366 75 2,095 70 1,512 07	2,487 17 3,127 48 6,946 48 1,143 16 6,760 59	2,053 00 1,536 03 2,921 40 1,379 39 2,530 40	3,224 10 5,786 70 2,546 98 3,448 64 3,387 00
	Vocational Educational Fund	\$1,004 77 4,583 24 1,057 16 1,443 23 602 66	1,430 00 80 55 1,063 70 1,590 74 628 50	687 32 1,636 05 122 27 698 56 504 03	829 07 1,042 51 2,315 50 381 06 2,253 53	684 31 512 02 973 78 459 83 843 46	1,074 71 1,928 87 848 98 1,149 41 1,129 01
	State Educational Institution Fund	\$14,066 25 64,165 04 14,800 26 20,204 46 8,437 28	20,020 32 1,127 64 14,891 99 22,270 14 8,799 01	9,622 61 22,901 50 1,711 66 9,779 93 7,056 25	11,606 87 14,594 93 32,416 82 5,334 69 31,549 49	9,580 64 7,168 15 13,633 31 6,437 10 11,808 54	15,045 79 27,004 60 11,885 94 16,092 59 15,806 00
STATE TAXES	State School	\$29,670 44 137,613 08 31,425 53 41,290 82 17,914 05	42,060 69 2,713 25 31,139 99 47,547 26 19,712 61	21,664 19 48,172 35 4,228 87 21,649 86 15,631 47	24,688 77 31,184 90 69,403 15 12,247 38 67,782 46	20,810 28 16,196 26 28,778 60 14,053 61 24,881 60	32,377 04 57,688 16 26,687 85 34,205 25 33,154 57
	State Highway Fund	\$19,592 22 89,372 74 20,614 66 28,141 84 11,751 93	27,885 50 1,570 62 20,742 43 31,019 12 12,255 74	13,402 88 31,898 51 2,384 12 13,622 06 9,828 30	16, 166 76 20, 328 65 45, 152 02 7, 430 44 43, 943 97	13,344 45 9,984 17 18,989 23 8,965 96 16,447 62	20,956 64 37,613 49 16,555 42 22,414 68 22,015 57
	Benevolent Institution Fund	\$29,639 55 135,204 89 31,186 28 42,573 58 17,778 56	42,185 74 2,376 07 31,379 57 46,926 36 18,540 75	20,276 17 48,256 70 3,606 86 20,607 69 14,868 52	24,457 36 30,753 68 68,306 89 11,240 97 66,479 30	20, 187 77 15, 104 27 28, 727 31 13, 563 82 24, 882 31	31,703 60 56,902 51 25,045 37 33,910 34 33,305 60
	General	\$6,561 65 32,199 10 7,110 81 8,092 83 4,052 82	9,170 14 860 73 6,674 58 10,960 63 5,257 01	5,855 64 10,548 65 1,416 85 5,582 81 4,039 05	5,620 30 7,207 48 16,146 93 3,483 25 15,951 18	5,070 66 4,420 04 6,381 02 3,478 84 5,481 85	7,659 03 13,323 50 7,160 92 7,766 56 7,187 49
	COUNTIES	Adams. Allen Bartholomew. Benton. Blackford	Boone. Brown. Carroll. Cass.	Clay. Clinton. Crawford Daviess. Dearborn	Decatur Dekalb Delaware Dubois Elkhart	Fayette. Floyd. Fountain. Franklin. Fulton.	Gibson Grant Greene Hamilton Hancock

22,759 90 44,482 09 7,162 26 31,240 82 10,848 87 13,002 81 90,034 27	591	132,380 58 26,779 72 33,998 36	6,556 29	3, 196 63	3,381 20 19,794 27 35,813 60	41,077 88 40,142 58 3,614,51 5,516 42
37,975 89 147,339 97 12,484 02 169,820 09 118,860 95 54,085 28 120,629 68 155,988 41 47 427 487 487	515 025 071 702 606	138,155 01 92,094 77 257,848 81 514,053 04 154,721 14	28,532 61 94,523 16 124,563 59 141,842 47 88,190 24	81,445 30 40,815 18 3,191 61 44,548 54 21,930 26	69,878 97 16,906 31 27,759 20 144,374 56 125,898 02	38,178 49 147,555 56 135,521 49 82,847 11 147,056 07
23,957 82 121,584 40 82,365 70 67,530 34 84,214 30 90,407 58 47,676 98 100,038 15	27,341 78,459 78,978 6,636 6,822 227,216	99,534 28 73,031 88 101,995 05 355,853 01 17,684 26	8, 195 37 60, 343 33 51, 773 33 78, 513 62 29, 801 27	68,499 47 5,815 68 5,308 95 49,931 73 29,513 82	98,167 38 6,762 40 23,753 11 95,639 93 91,523 68	37,123 04 68,514 79 86,747 92 57,771 77 68,955 22
50,686 49 80,467 32 128,054 63 100 167 93 117,945 06 81,434 60 78,016 91 91,848 30	532 344 344 640 171 432	203,340 54 74,565 97 175,759 22 1,914,446 99 78,432 20	34,484 93 141,156 53 120,042 34 112,208 56 38,980 48	56,169 56 100,452 52 18,581 32 59,552 18 74,806 56	123, 935 19 42, 522 35 111, 721 50 95, 639 94 82, 270 83	59,737 61 50,673 65 114,284 38 80,792 67 121,697 97
718 65 3,558 58 4,297 30 5,788 29 4,074 88 2,169 80 2,600 58 3,001 69	1,093 3,138 4,738 3,981 2,046	5,972 06 1,460 55 6,799 67 42,702 34 3,536 85	3,620 58 1,533 17 4,710 81 1,788 00	2,739 98 3,172 21 265 44 998 63 1,041 64	1,963 34 676 24 1,187 63 3,825 60 2,387 57	1,856 16 2,676 16 4,337 39 1,333 20 4,137 31
239 24 1,186 24 1,432 41 1,929 45 1,358 27 723 24 866 87 1,000 1,000 36		2,266 56 14,234 09 1,178 96	1,206 86 1,206 86 1,517 69 1,570 27 596 00	913 32 1,057 43 88 48 332 88 347 20	654 44 225 40 395 89 1,275 19 795 86	618 71 892 02 1,445 81 444 41 1,379 10
3,354 09 16,606 68 20,054 24 27,012 12 19,016 13 10,125 63 12,135 97 14,005 40	103 645 114 582 552 034	27,869 60 6,814 07 31,731 77 199,277 70 16,505 29	2,294 70 16,896 11 7,248 36 21,983 81 8,344 34	12,786 56 14,803 53 1,238 75 4,660 29 4,861 12	9,162 27 3,155 82 5,542 39 17,852 79 11,142 01	8,662 06 12,488 75 20,241 15 6,221 59 19,307 46
8, 093 72 34, 885 79 42, 823 95 57, 720 28 40, 522 28 22, 127 28 25, 394 44 29, 824 71 12, 511	170 238 132 189	60,011 19 15,616 85 69,231 06 426,981 38 34,811 08	5,440 87 36,159 23 16,272 61 46,257 12 18,298 18	26,406 63 31,364 06 2,815 50 10,619 09 10,667 23	19,755 54 7,541 57 12,511 28 37,205 56 23,626 53	18, 283 58 26, 588 09 42, 717 31 13, 954 65 40, 162 41
4,671 79 23,130 70 27,932 73 37,624 05 26,486 75 14,103 55 16,903 66 19,507 47	399 801 883 304 690	38, 818 37 9, 493 04 44, 197 85 277, 565 37 22, 989 47	3, 196 19 23,533 89 10,095 83 30,620 31 11,622 46	17,809 86 20,619 18 1,725 40 6,491 12 6,770 82	12,761 77 4,395 57 7,719 78 24,866 39 15,519 23	12,064 97 17,395 10 28,193 07 8,665 76 26,892 53
7,067 54 34,992 57 17 42,257 17 56,918 46 40,069 70 21,336 18 25,572 21 29,511 24	754 860 597 156 429	58,725 23 14,362 02 66,863 42 419,906 55 34,778 98	4,835 24 35,602 53 15,273 37 46,323 03 17,582 71	26, 943 12 31, 193 13 2, 610 22 9, 819 91 10, 243 05	19,306 25 6,649 70 11,678 62 37,618 36 23,477 82	18, 252 18 26, 315 71 42, 651 04 13, 109 73 40, 683 57
2,583 40 7,613 55 9,877 75 13,343 20 9,281 48 5,456 76 6,815 93 3,441 83	785 824 409 710 990	14,225 42 4,418 89 17,100 29 99,596 61 7,695 24	1,671 07 8,401 35 4,364 67 10,140 86 4,589 59	5,400 13 7,043 96 7,780 40 2,962 89 2,681 11	4,703 29 2,357 07 3,405 92 7,876 00 5,321 80	4,053 07 6,070 77 9,464 06 3,733 46 8,443 02
Harrison Hendricks Henry Henry Howard Hundington Jackson Gasper	Jennings Johnson Knox La Grange La Grange	Laporte. Lawrence Madison. Marion. Marshall.	Martin. Miami. Monroe. Montgomery. Morgan.	Newton Noble Ohio Orange Owen	Parke. Perry. Pike. Porter. Posey.	Pulaski Putnam Randolph Ripley Rush

TAXES LEVIED—Continued

	Other Funds	\$17,298 75 29,086 98	72,712 01 17,403 64 7,971 01 42,860 43 17,200 97	1,884 04 52,440 88 58,203 06	52,067 67	22,675 74 5,799 00	\$2,041,949 70
AXES	Gravel Road Construction Fund	\$31,137 58 143,065 27 68,042 84 54,732 04 12,258 03	159,305 68 106,919 21 15,137 00 137,422 84 32,111 43	372 08 132,872 38 97,534 19 188,432 67	294,397 51 77,781 49 96,666 62 74,853 68	69,860 18 103,136 53 112,444 18 124,376 57	,436 55
COUNTY TAXES	Gravel Road Repair Fund	\$15,446 84 54,779 46 14,543 51 41,461 98 12,750 20	166,198 93 87,018 20 19,927 51 214,302 26 68,803 91	13,188 37 82,407 15 59,165 03 152,436 59	97,626 92 69,249 39 11,234 52 39,661 46	126,984 17 133,052 12 98,583 09 21,188 14	\$6,545,345 76
	General Fund	\$44,564 26 95,898 18 147,640 86 55,282 82 61,200 96	310, 953 57 111, 370 67 40, 584 52 178, 321 80 29, 773 11	31,109 75 278,940 61 95,574 28 654,916 11	104,135 44 47,724 32 136,372 81 47,520 18	166,597 20 133,052 12 89,740 54 63,564 37	\$350,324 16 \$12,040,963 16 \$6,545,345 76 \$10,011
	State Soldiers Memorial Fund	\$579 25 4,324 71 1,246 60 1,658 47 1,530 03	12, 464 90 2,610 56 478 25 6,429 08 2,948 75	1,130 43 8,989 86 2,730 68 8,314 74	3,905 07 2,769 86 1,348 32 1,189 84	5,442 19 3,193 25 3,479 41 2,542 57	1 1
	Vocational Educational Fund	\$193 08 1,441 57 415 53 552 89 510 01	4, 154 98 870 19 159 44 2, 143 01 982 91	376 82 2,996 63 910 23 2,771 57	1,301 74 923 29 449 38 396 61	1,814 04 1,064 42 1,159 78 847 52	\$116,774 26
	State Educational Institution Fund	\$2,703 20 20,181 90 5,817 38 7,739 58 7,140 11	58, 169 72 12, 182 54 2, 231 88 30, 002 31 13, 760 78	5, 275 35 41, 952 71 12, 743 25 38, 802 06	18, 223 86 12, 926 42 6, 291 59 5, 552 60	25,396 83 14,901 84 16,237 25 11,865 34	\$1,634,844 00
STATE TAXES	State School	\$5,966 40 42,560 28 13,059 32 16,212 13 15,288 73	126,057 27 26,963 08 5,193 26 63,444 63 28,893 07	11,033 18 93,149 95 27,911 48 86,331 08	38,558 87 26,631 93 14,141 33 12,378 21	54,727 15 31,344 71 33,851 95 25,060 71	\$3,504,902 08
	State Highway Fund	\$3,765 15 28,110 50 8,102 80 10,780 10 9,945 15	81,021 97 16,968 53 3,108 69 41,788 94 19,166 80	7,347 79 58,434 15 17,749 50 54,045 71	25,383 01 18,004 87 8,762 91 7,733 99	35,374 15 20,756 14 22,616 16 16,526 73	\$2,277,105 14
	Benevolent Institution Fund	\$5,696 03 42,526 17 12,258 08 16,308 39 15,045 24	122,571 73 25,670 38 4,702 91 63,219 16 28,995 94	11,115 89 88,400 38 26,851 80 81,761 45	38,399 97 27,237 69 13,256 70 11,700 13	53,514 77 31,400 30 34,214 11 25,001 96	\$3,444,852 99
	General	\$1,525,41 9,404,34 3,502,16 3,497,12 3,558,54	30,492 87 6,948 93 1,526 60 14,155 11 6,286 07	2,366 54 24,227 59 6,976 16 22,584 89	8,619 93 5,396 14 3,805 40 3,256 07	13,003 80 6,863 08 7,176 51 5,567 64	\$819,080 19
	COUNTIES	Scott. Shelby. Spencer Starke. Steuben	St. Joseph. Sullivan. Switzerland Tippecanoe. Tipton.	Union Vanderburgh Vermillion Vigo.	Wabash. Warren. Warrick. Washington.	Wayne. Wells. White. Whitley.	Totals

TAXES LEVIED—Continued

	Total Taxes	\$972,273 31 4,352,383 16 884,550 24 826,948 42 561,336 24	1,074,813 96 118,397 19 837,460 10 1,583,193 78 778,344 64	1,022,235 15 1,221,658 01 165,946 68 779,890 21 474,329 54	753,918 93 866,104 56 2,222,028 70 401,444 39 1,725,246 95	546,639 29 662,169 01 859,529 63 425,758 68 879,779 49	1,137,216 S4 1,907,652 72 908,462 23 1,041,609 30 840,515 26
SB	Other Funds	\$4,042 82 483,516 65 14,465 28 10,860 08 26,030 17	33,924 71 802 47 3,188 88 48,462 47 19,525 20	27,090 92 35,819 63 4,252 89 58,324 58 7,364 69	11,596 12 21,085 44 192,209 05 3,602 57 54,171 99	22, 662 21 38, 139 54 32, 340 51 7, 702 83 6, 955 90	15,621 37 110,451 91 31,815 46 6,477 91 15,757 53
Corporation Taxes	Light and Water Fund	\$23,843 53 3,310 43	3,178 44 465 20 5,313 23	10,063 22 10,402 22 2,867 13 23,825 86	3,946 01 5,303 17 6,354 54 14,420 46	12,788 88 38,489 45 5,325 32	12,390 30 19,687 30 28,783 20 6,628 56
Cor	Street and Alley Fund	\$10,981 41	3,319 36	3,686 15 2,167 58 1,648 75	1,531 69	565 14	7,083 72 14,739 20 3,148 05
	General Fund	\$104,768 90 1,001,678 64 124,210 30 14,328 53 34,296 20	89,146 01 465 20 37,562 60 253,207 92 147,324 38	43,082 78 122,746 77 3,269 67 32,419 94 41,358 67	61,524 52 61,210 89 267,474 33 24,081 76 127,618 83	100, 367 36 138, 971 08 49, 094 98 6, 905 36 52, 607 86	66,604 82 207,059 56 79,212 04 87,172 05 28,507 62
	Other Funds	\$1,015 17 26,630 53 11,228 81 17,139 06 2,983 83	14,500 33 189 72 16,211 12 11,139 20 19,907 81	37,501 84 6,684 70 1,826 42 20,821 52 16,670 26	6, 124 06 4, 906 84 10, 994 46 2, 730 85 68, 345 16	10,699 57 3,140 55 28,861 18 3,808 01 34,067 20	49,595 64 17,120 02 15,040 44 15,344 17 23,187 36
	Poor Fund	\$3,089 84 4,122 92 996 86 7,679 37 3,207 26	2,561 57 728 03 3,319 94 10,384 82 6,292 95	4,267 15 7,765 90 3,113 24 4,023 28	4,310 84 8,744 12 11,870 62 3,003 01	2,979 19 1,352 84 7,891 02 478 06 1,587 80	6,826 37 16,551 97 2,889 76 6,866 36 2,846 96
TAXES	Road	\$19,867 18 126,923 25 25,522 04 28,653 46 13,426 07	30,057 02 12,857 44 22,052 36 43,721 10 30,401 46	20,720 59 3,821 16 18,244 72 26,907 14 31,998 48	23,566 66 62,194 06 53,118 06 32,173 52 53,730 81	26, 134, 52 15, 454, 64 27, 076, 15 34, 807, 33 34, 230, 82	51, 298 92 22, 595 97 43, 586 54 13, 347 47 32, 979 93
Township Taxes	Special School Fund	\$171,541 25 365,416 68 132,456 09 172,948 47 87,850 67	189,499 20 16,785 10 123,024 85 253,913 18 103,665 06	150,427 31 206,726 99 24,046 64 127,038 39 63,970 22	128,829 41 136,053 21 421,034 78 38,286 71 339,359 24	101,856 24 63,265 14 161,512 60 79,241 55 117,947 26	176,064 48 220,619 92 153,648 60 239,540 20 130,240 01
	Tuition Fund	\$138,918 44 874,449 15 173,408 74 157,938 23 94,321 73	177, 867 89 24, 685 90 113, 344 26 324, 918 64 152, 561 23	211, 921 59 219,019 62 34,230 26 174,359 28 103,234 99	103,384 44 188,701 63 471,384 35 103,567 15 389,493 32	89, 164, 20 133, 836, 24 138, 583, 65 69, 160, 54 145, 809, 58	221, 989 62 386, 500 44 217, 113 38 208, 286 73 149, 412 48
	Township Fund	\$23,539 10 44,244 47 17,577 05 30,566 85 11,695 80	21,354 29 4,403 25 19,925 91 25,280 58 16,092 01	17,522 07 20,806 31 9,649 22 21,351 75 12,924 49	11,733 75 31,916 75 51,778 38 17,596 50 32,110 27	8,578 56 7,352 34 17,818 49 14,395 25 14,981 57	30,245 83 33,341 21 22,072 04 15,823 78 15,295 43
	COUNTIES	Adams. Allen. Bartholomew. Beuton. Blackford.	Boone Brown Carroll Cass. Clark	Clay. Clinton. Crawford Daviess. Dearborn.	Decatur Dekalb Delaware Dubois Elkhart,	Fayette. Floyd. Fountain. Franklin.	Gibson. Grant. Greene. Hamilton.

TAXES LEVIED—Continued

	Total Taxes	\$361,945 83 1,018,646 39 1,112,931 17 1,473,637 74 1,311,321 43	765,910 09 667,479 94 987,280 25 514,589 21 360,188 61	846, 231 34 1, 946, 341 87 1, 097, 408 95 5, 542, 006 38	1,798,334 96 783,308 67 1,966,173 39 16,278,307 70 986,006 46	236,764 37 1,098,352 48 803,794 18 1,345,967 58 668,111 50	-626,319 34 734,058 81 104,163 35 445,818 83 398,368 72
ES	Other Funds	\$7,123 90 11,199 06 41,836 79 58,093 63 51,902 97	11,812 87 6,472 75 29,097 61 3,646 67 6,728 56	15, 651 56 62, 343 99 31, 433 36 7, 865 85 26, 336 71	75, 294 34 17, 440 98 79, 833 82 791, 367 17 13, 309 76	6, 561 83 21, 262 29 41, 770 17 52, 010 13 30, 828 38	10,067 40 19,356 93 2,704 34 13,560 51 4,872 92
CORPORATION TAXES	Light and Water Fund	\$2,257 95 13,515 48 26,858 42	3,561 52 18,198 96 1,568 19	18,214 54 15,526 98 17,697 46 8,616 19	6,670 21	9,399 26 22,837 84 10,509 59	18,403 74 9,397 83 4,507 28 11,431 49 5,898 17
Con	Street and Alley Fund	\$2,579 80 9,150 51 31,101 01	8,413 78 18,009 49	7,873 67 9,237 76 7,298 37 6,658 72		2,586 27	9,415 93
	General	\$7,112 16 16,527 55 101,406 21 280,829 57 199,262 59	95,470 49 15,378 65 32,658 67 62,857 34 15,743 24	57,237 05 222,448 16 73,369 78 8,343 01 145,380 59	189,030 62 1111,037 40 230,388 70 6,551,684 36 80,572 71	6,059 22 156,729 58 78,134 98 104,769 28 32,280 76	14,043 40 22,366 40 5,783 52 17,266 64 5,921 13
	Other Funds	\$13,519 45 28,260 49 9,894 28 23,570 97 29,119 80	5,315 93 12,312 40 2,038 41 5,812 67 6,819 22	14,426 70 11,338 15 34,144 09 21,969 26 282,305 91	21,275 99 1,997 10 40,412 47 11,793 69 4,480 46	1,933 48 25,093 71 14,818 49 47,388 94 11,862 23	27, 297 08 11, 016 49 1, 568 16 4, 779 23 10, 794 03
	Poor Fund	\$1,528 79 2,954 65 7,282 76 7,496 37 2,207 33	7,854 69 4,078 74 1,869 54 1,854 22	9, 443 29 7, 414 21 11, 096 99 3, 560 87 49, 956 18	18,549 48 6,917 82 3,284 15 3,004 42 6,012 20	3,552 54 739 59 5,149 42 4,282 19 5,105 24	2,269 63 5,842 55 475 79 1,611 65 3,130 46
P TAXES	Road	\$22,305 58 39,205 96 62,633 70 21,637 12 45,691 27	14, 318 54 31, 583 98 42, 361 64 20, 105 74 25, 380 13	23,704 08 35,072 09 81,460 03 46,917 44 72,145 60	44,867 41 8,841 32 26,139 87 5,508 70 54,245 42	14, 766 99 37, 823 58 13, 403 80 40, 791 54 33, 744 64	15,862 71 65,575 07 7,237 43 12,553 34 23,741 01
TOWNSHIP TAXES	Special School Fund	\$45,035 36 183,160 93 240,811 21 253,763 47 206,805 73	137, 193 92 100, 325 77 116, 026 89 79, 871 63 53, 001 39	176,001 19 359,148 21 240,065 06 114,052 91 1,415,071 42	267,661 18 138,392 87 355,502 63 2,257,902 00 223,254 29	31,998 16 209,481 55 124,964 60 280,307 66 133,686 05	104,012 25 161,463 77 16,405 48 80,909 35 67,871 83
	Tuition	\$85, 239, 83 174, 753, 54 188, 487, 24 265, 188, 79 262, 699, 65	160,977 96 114,657 24 160,902 16 128,875 62 97,024 30	149,477 06 409,487 77 241,990 86 120,416 15 1,257,235 11	366,682 00 165,037 05 388,234 50 2,359,483 57 201,821 62	54, 653 07 200, 720 34 128, 349 17 293, 140 87 148, 327 77	100, 423 90 163, 570 69 25, 555 35 83, 537 77 89, 516 13
	Township	\$13,134 18 24,060 33 23,877 39 25,203 61 20,561 47	20,111 37 26,516 98 22,322 35 11,549 95 13,298 09	14,325 24 32,357 50 34,401 46 13,287 43 23,472 22	33,950 98 14,520 03 27,914 98 39,946 71 2 29,976 53	9,390 66 25,058 27 22,660 75 29,106 11 21,112 77	22, 212 74 19, 132 20 3, 319 93 18, 613 67 11, 607 47
	COUNTIES	Harrison Hendricks Henry Howard Huntington	Jackson Jasper Jay Jefferson Jennings	Johnson. Knox. Koscuisko. Lagrange	Laporte. Lawrence Madison Marion Marshall	Martin Miami Monroe Montgomery Morgan	Newton Noble Ohio Orange Owen.

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Parke	Pulaski Putnam. Randolph Ripley	Scott Shelby. Spencer Starke.	St Joseph Sullivan Switzerland Tippecanoe	Union. Vanderburgh Vermillion	Wabash Warren Warrick	Wayne. Wells. White.	Totals

REPORT OF TREASURER OF STATE

OFFICERS

ORA J. DAVIES, Treasurer of State. B. H. URBAHNS, Deputy Treasurer of State. AMY WOLFE, Stenographer-Bookkeeper.

The office of Treasurer of State exists by virtue of the state constitution. The Treasurer is elected for a term of two years. He may succeed himself, but is not eligible to serve more than four years in any period of six years.

DUTIES OF THE TREASURER

The statutes prescribe that, "The Treasurer shall receive of the several county treasurers, collectors of the public revenue, and of all other officers and persons, all moneys whatsoever which are required by any act of the General Assembly to be paid into the treasury of the State. He shall keep, in books provided for that purpose, correct and separate accounts of all the moneys received by him by virtue of his office. He shall keep in like manner, correct accounts of all moneys paid by him out of the treasury." Payments may be made only upon proper warrants drawn by the Auditor of State.

It is further required that, "All public funds collected by the State officer or board having an office in the State capitol building * * * shall be deposited (daily) with the Treasurer of State," who in turn shall deposit all such State funds, on the day following the collection thereof, in one or more banks or trust companies, which have previously been designated state depositories by the State Board of Finance.

The Treasurer is ex-officio a member of the State Board of Finance, which board is composed of the Governor, Auditor and Treasurer. This board has supervision of all the fiscal affairs of the State. It selects state depositories with reference to the convenience of officers of State institutions using them. The State depositories pay monthly, into the State treasury, interest on daily balances of State funds at the rate of two per cent per annum on checking account, two and one-half per cent on semi-annual time deposits and three per cent upon annual time deposits. Exception to this schedule of rates is made on deposits on the State sinking fund, for which the depositories pay four per cent on annual time deposits.

The Treasurer of State is also ex-officio custodian of the funds and interest-bearing securities of the Indiana State Teachers' Retirement Fund.

DECEMBER SETTLEMENT SHEET

Tabular Statement Showing the Amounts Paid by County Treasurers at the December Settlement, 1920, for the November Installment of Taxes for 1920

Total	\$40,829 90 20,599 52 49,292 46 59,870 34	28,343 61 62,257 65 5,010 83 46,847 36	72,284 92 30,623 95 32,429 33 75,674 83	7,084 91 39,675 79 23,546 25 39,721 12	45,385 69 97,749 27 17,805 17 89,330 88	29,916 46 21,940 60 43,346 08 21,503 63	37,139 93 47,837 81 89,868 86 41,005 69
Docket Fees Circuit Court	\$66 00 106 00 117 00	70 00 206 00 30 00 64 50	166 00 26 00 146 00 134 00	22 00 68 00 28 00 64 00	126 00 130 00 42 00 130 00	104 00 92 00 96 00 52 00	154 00 135 50 168 00 157 00
Unclaimed					\$399 88		
Permanent Endowment Fund Indiana University Interest	\$188 27 674 32 246 04 129 46	149 78 271 54 84 16 194 31	342 25 280 97 314 49 277 46	116 05 253 63 218 53 202 88	236 85 416 17 160 70 426 40	140 14 274 21 215 67 168 65	171 14 267 02 623 51 242 01
School Fund Interest	\$2,210 94 9,214 39 2,981 45 1,721 53	1,997 80 2,665 96 1,158 34 2,095 45	3,984 89 3,423 81 2,706 96 3,801 81	1,507 09 9,270 52 3,119 22 2,916 72	2,718 28 4,703 28 2,474 18 5,715 08	1,464 80 3,285 50 2,916 54 859 53	1,832 22 3,548 64 6,407 05 6,166 01
State Vocational Fund	\$458 70 2,043 40 499 20 639 65	282 47 639 99 38 00 483 34	725 44 288 96 303 34 771 98	54 95 318 58 219 93 392 99	469 45 988 07 162 05 898 98	304 72 200 59 434 36 216 03	377 55 487 81 894 69 368 92
Educational Institution Fund Tax	\$6,417 73 28,562 44 6,978 50 8,946 31	3,949 99 8,952 38 528 73 6,759 82	10,131 92 4,032 84 4,233 86 10,797 54	765 93 4,446 51 3,071 35 5,495 69	6,557 40 13,800 44 2,267 25 12,582 34	4,262 33 2,801 36 6,074 03 3,017 21	5,280 09 6,809 93 12,510 26 5,146 14
School Tax	\$12,579 64 56,778 52 13,581 64 16,918 24	7,728 75 17,413 69 1,167 01 13,099 19	20,393 15 8,041 71 9,019 16 21,139 47	1,692 35 9,095 44 6,124 77 10,853 92	12,284 00 27,526 22 4,691 39 24,573 87	8,391 09 5,446 87 11,835 69 6,139 98	10,360 70 12,765 20 24,454 92 10,377 53
State Debt Sinking Fund Tax	\$8,937 75 39,754 62 9,693 15 12,454 65	5,481 61 12,477 06 730 56 9,410 45	14,030 37 5,605 07 5,836 88 15,022 54	1,054 08 6,172 38 4,276 33 7,646 40	9,125 39 19,021 70 3,154 83 17,436 42	5,936 88 3,853 42 8,444 41 4,192 30	7,352 59 9,456 03 17,382 62 6,976 31
Benevolent Institution Fund Tax	\$8,938 98 39,784 11 9,720 74 12,461 01	5,502 28 12,469 07 736 26 9,415 51	14,114 46 5,617 46 5,898 70 15,039 76	1,067 18 6,193 33 4,278 30 7,654 90	9,133 66 19,227 18 3,158 04 17,462 31	5,936 89 3,903 13 8,460 70 4,202 76	7,354 50 9,485 98 17,426 03 7,172 79
State Tax	\$5,031 89 23,681 72 5,474 74 6,599 49	3,180 93 7,161 96 537 77 5,324 79	8,396 44 3,307 13 3,969 94 8,690 27	805 28 3,857 40 2,218 82 4,493 62	4,734 66 11,536 33 1,694 73 10,105 48	3,375 61 2,083 52 4,868 68 2,655 17	4,257 14 4,881 70 10,001 78 4,399 25
COUNTIES	Adáms Allen Bartholomew	Blackford Boone Brown Carroll	Cass Clark Clay Clinton	Crawford Daviess Dearborn Decatur	Dekalb Delaware Dubois Ellkhart.	Fayette. Floyd. Fountain Franklin	Fulton. Gibson Grant. Greene.

DECEMBER SETTLEMENT SHEET-Continued

Total	\$51,923 94 49,731 11 14,665 52 55,923 50	67,787 87 80,364 84 58,182 85 34,939 16	35, 993 42 45,047 00 21,628 16 16,935 81	51,476 93 75,029 48 58,667 05 30,472 22	272,022 71 84,940 46 26,081 80 95,814 64	636, 248 05 52, 067 60 12, 416 52 56, 955 53	25,304 97 68,569 34 28,539 02 37,931 10	44, 113 02 4, 914 95 16, 778 49 17, 663 59
Docket Fees Circuit Court	\$134 00 48 00 45 00 112 00	126 00 247 40 180 00	44 00 86 00 20 90 30 00	113 00 50 00 124 00 40 00	60 00 178 00 100 00 222 00	386 00 176 00 74 00 98 00	126 75 282 00 42 00 30 00	64 00 44 00 60 00
Unclaimed	\$245 34				185 33	45 75		10
Permanent Endowment Fund Indiana University Interest	\$266 39 180 48 196 01 214 52	253 99 275 11 264 58 232 87	126 19 265 08 228 49 147 31	196 63 272 70 283 55 156 59	300 55 346 86 196 25 547 33	1,683 41 237 01 112 89 261 09	178 01 189 17 183 22 95 82	249 61 47 06 136 21 139.75
School Fund Interest	\$3,145 64 3,000 09 3,427 05 3,819 57	5,545 90 3,425 64 3,197 27 3,123 53	1,493 13 2,124 44 3,304 87 1,389 27	2,816 40 6,144 81 4,072 82 1,881 20	10,708 35 4,313 69 2,859 24 4,616 91	16,808 43 2,628 11 4,735 45 3,990 57	2,577 78 2,196 77 2,004 02 1,134 84	2,605 07 774 69 2,357 18 2,295 99
State Vocational - Fund	\$520 97 501 77 111 62 560 55	663 68 834 76 590 19 338 89	375 36 460 49 189 95 164 40	524 43 738 07 586 24 306 24	2,877 88 866 76 238 13 977 40	6,691 26 511 96 77 62 564 02	238 99 714 75 279 81 402 60	446 92 42 52 150 13 160 77
Educational Institution Fund Tax	\$7,295 05 7,016 34 1,558 78 7,839 14	9,283 58 11,669 15 8,250 59 4,738 59	5,238 95 6,438 73 2,655 69 2,294 06	7,337 35 10,294 68 8,193 65 4,278 72	40,159 90 12,118 97 3,321 50 13,668 92	93,506 26 7,156 93 1,078 17 7,888 52	3,337 55 9,989 50 3,910 20 5,623 50	6,239 73 594 18 2,095 05 2,248 44
School Tax	\$14,343 77 13,643 49 3,399 17 15,263 46	18,374,25 22,668,10 16,348,00 9,374,44	10,157 78 12,625 44 5,441 96 4,589 68	14,242 28 20,428 55 16,019 17 8,405 85	76,598 43 23,564 60 7,036 57 26,692 46	182,000 40 15,006 20 2,309 91 15,562 18	6,696 21 19,449 23 8,003 16 10,749 69	12,161 12 1,234 98 4,297 38 4,538 35
State Debt Sinking Fund Tax	\$10,144 54 9,759 43 2,167 15 10,912 84	12,927 01 16,237 26 11,491 96 6,591 65	7,279 28 8,952 95 3,692 87 3,174 79	10,213 62 14,237 29 11,397 10 5,949 45	55,876 62 16,871 90 4,536 88 19,038 98	130,269 36 9,945 16 1,442 75 10,992 84	4,648 32 13,901 31 5,408 98 7,828 35	8,662 26 826 61 2,898 52 3,128 05
Benevolent Institution Fund Tax	\$10,160 90 9,773 16 2,171 35 10,918 89	12,930 78 16,253 86 11,491 95 6,600 42	7,297 52 8,968 80 3,699 13 3,195 77	10,220 07 14,341 62 11,413 06 5,959 89	55,938 52 16,880 20 4,628 75 19,039 03	130,240 05 9,968 78 1,503 19 10,987 36	4,648 81 13,914 21 5,447 23 7,832 88	8,691 80 827 64 2,918 63 3,131 20
State Tax	\$5,912 68 5,563 01 1,589 39 6,282 53	7,682 68 8,753 56 6,368 31 3,938 77	3,981 21 5,125 07 2,394 30 1,950 53	5,813 15 8,521 76 6,577 46 3,494 28	29, 502 46 9, 614 15 3, 164 48 11, 011 61	74,662 88 6,437 45 1,036 79 6,519 12	2,852 55 7,932 40 3,260 40 4,233 42	4,992 51 553 27 1,881 39 1,960 94
COUNTIES	Hamilton Hancock Harrison Hendricks	Henry Howard Huntington Jackson	Jasper Jay. Jefferson Jennings	Johnson. Knox. Kosciusko. Lagrange.	Lake. Laporte. Lawrence. Madison	Marion Marshall Martin Miami	Monroe. Montgomery Morgan. Newton.	Noble Ohio. Orange Owen.

32,148 26	37,471 92	21,039 11	20,219 01	43,775 54	16,869 62	57,261 41	87,200 28	\$183,076 30
11,172 07	28,088 93	62,300 18	24,035 47	8,162 39	122,022 22	39,546 70	49,769 97	
18,850 46	42,197 60	10,651 31	23,674 11	90,958 81	41,035 38	22,183 84	47,738 87	
52,774 10	69,679 07	66,115 80	177,848 24	45,074 31	122,628 27	20,194 73	40,334 56	
84 00 36 00 104 00	54 00 102 00 90 00	12 00 76 00 64 00 122 00	52 00 76 00 38 00	64 00 12 00 80 00 92 00	404 00 74 00 106 00	114 00 98 00 98 00 50 00	222 00 136 00 64 00 110 00	\$8,781 05
					2 00			\$970 23
208 65	216 87	194 91	204 28	212 16	72 67	268 94	395 76	\$22,935 86
152 27	117 80	199 49	90 17	116 40	601 37	107 80	208 02	
173 58	208 47	72 76	168 19	394 03	135 97	202 49	174 97	
187 65	278 14	258 80	460 31	176 94	583 67	174 05	166 94	
3,470 42 2,148 79 2,780 40 2,212 23	3,720 43 1,106 23 1,800 97 4,271 44	1,682 10 2,270 88 1,840 64 2,856 96	2,629 76 1,870 19 3,173 76 4,484 01	3,412 68 788 56 3,782 11 2,959 33	7,084 11 3,045 22 7,374 64	4,562 33 1,429 82 3,028 60 1,996 62	6,217 80 5,049 73 1,723 54 2,424 49	\$313,314 16
306 36	371 87	201 54	185 47	428 23	174 52	565 12	877 56	\$52,350 91
91 99	289 01	651 81	240 13	74 69	1,233 29	416 14	485 30	
168 85	432 34	91 41	224 45	940 01	411 85	200 67	500 52	
554 97	705 85	684 22	1,876 43	455 33	1,244 66	189 26	403 79	
4,289 11	5,194 19	2,815 63	2,570 90	5,974 99	2,441 14	7,902 64	12,243 12	\$731,543 91
1,285 60	4,033 37	9,120 16	3,351 85	1,043 23	17,220 41	5,828 99	6,785 45	
2,355 92	6,046 49	1,277 08	3,128 49	13,131 28	5,751 87	2,803 80	6,995 66	
7,756 97	9,869 84	9,565 78	26,221 77	6,369 45	17,388 42	2,643 76	5,635 86	
8,447 21	9,727 44	5,793 22	5,205 67	12,008 27	4,723 15	15,545 78	23,951 44	\$1,434,277 93
2,695 67	7,952 31	17,508 61	6,482 67	2,210 67	33,766 31	11,093 09	13,099 34	
4,894 59	11,844 22	2,616 97	5,931 98	25,729 19	11,119 77	5,670 60	13,508 58	
14,892 82	19,191 10	18,507 32	51,298 21	12,338 43	34,083 79	5,437 29	11,301 85	
5,953 17	7,221 62	3,905 62	3,553 18	8,262 84	3,398 81	11,004 56	17,032 66	\$1,016,600 13
1,781 16	5,610 54	12,709 11	4,672 86	1,451 15	23,998 05	8,113 05	9,418 93	
3,264 60	8,421 07	1,770 15	4,348 74	18,185 48	7,974 98	3,884 72	9,733 31	
10,801 09	13,730 37	13,318 17	36,482 87	8,861 09	24,116 06	3,644 62	7,661 62	
5,974 59	7,235 11	3,922 11	3,581 49	8,323 80	3,400 24	11,007 34	17,053 31	09 \$1,018,960 03 \$1,016,600 13 \$1
1,790 76	5,618 23	12,703 02	4,668 62	1,453 11	24,013 54	8,122 71	9,452 08	
3,281 94	8,422 01	1,779 02	4,357 75	18,292 68	8,012 51	3,905 90	9,744 28	
10,804 44	13,747 70	13,323 77	36,524 21	8,871 99	24,222 29	3,683 29	7,854 72	
3,414 75	3,730 39	2,511 98	2,236 26	5,088 57	1,928 43	6,290 70	9,206 63	\$583,342 09
1,189 83	3,271 44	7,061 10	2,582 98	1,012 58	13,701 14	4,337 10	5,135 12	
1,930 58	4,920 03	1,139 28	2,302 75	10,424 03	4,509 21	2,389 06	5,294 01	
5,459 93	7,794 63	7,478 78	20,500 43	4,949 75	13,508 74	2,375 84	4,775 29	
Parke. Perry Pike. Porter	Posey. Pulaski. Putnam. Randolph	Ripley. Rush. Scott. Shelby.	Spencer Starke St. Joseph Steuben	Sulivan Switzerland Tippecanoe Tipton	Union Vanderbugh Vermillion Vigo	Wabash Warren Warriek Washington	Wayne Wells White Whitley	Totals

JUNE SETTLEMENT SHEET

Tabular Statement Showing the Amounts Paid by County Treasurers at the June Settlement, 1921, for the May Installment of Taxes for 1921

Total	\$57,686 94	33,816 07	89,809 63	8,478 87	61,161 33	38,815 96	48,614 60
	252,663 01	80,700 95	38,714 03	43,700 03	127,862 15	31,955 74	65,476 85
	59,302 61	6,333 00	43,017 05	31,374 60	24,956 93	56,536 46	108,474 28
	77,573 62	58,788 14	90,215 30	48,799 23	133,462 54	29,860 31	55,899 83
Docket	\$106 00	65 20	1,214 00	24 00	112 00	78 00	122 00
Fees	126 00	210 50	26 00	32 00	72 00	114 00	258 50
Circuit	142 00	28 00	100 00	52 00	70 00	108 00	268 00
Court	186 00	74 00	184 00	110 00	154 00	62 00	171 00
Un- claimed Fees	7.514.9	778 54 116	25 \$3 61 97 \$3 61 49	883338 883338	885 17 70 40	21 21 67 65	14 02 51 01
Permanent Endowment Fund Indiana University Interest	\$188 27 674 32 246 04 129 46	149 72 271 5 84 1 194 3	342 2 280 9 314 4 277 4	116 0 253 6 218 5 202 8	236 8 416 1 160 7 426 4	140 1. 274 2 215 6 168 6	171 1-267 0 623 5 623 5 242 0
School Fund Interest	\$2,211 84 10,040 80 2,973 66 1,700 06	2,000 00 3,832 79 1,500 00 2,080 17	3,893 21 3,423 80 4,242 54 3,757 11	1,507 09 5,000 00 3,123 23 2,882 93	2,588 30 4,774 47 2,449 91 5,039 30	1,459 85 3,318 88 2,938 61 3,783 39	1,806 78 3,563 75 6,268 05 6,000 00
State Vocational Fund	\$535 35 2,334 76 543 39 749 17	308 25 746 66 43 53 551 33	821 88 335 86 362 80 837 35	62 64 366 46 269 10 449 68	550 67 1,186 82 205 10 1,232 88	356 83 276 68 519 02 245 56	457 10 585 36 986 27 463 36
Educational	\$7,472 64	4,310 41	11,490 36	874 42	7,697 34	4,991 46	6,374 02
Institution	32,656 53	10,446 54	4,691 27	5,121 70	16,597 28	3,864 96	8,179 73
Fund	7,601 48	606 21	5,074 27	3,761 48	2,869 82	7,260 62	13,794 39
Tax	10,475 13	7,708 70	11,719 19	6,289 89	17,237 68	3,433 97	6,469 35
School	\$16,094 34	9,054 57	24,321 92	2,055 90	17,190 48	10,757 25	13,381 37
	69,971 05	21,866 86	10,254 81	11,275 85	35,369 44	8,235 42	18,086 21
	16,069 02	1,422 86	11,275 54	8,219 28	6,637 96	15,260 28	29,142 56
	21,429 66	16,195 47	24,671 99	13,199 25	37,100 42	7,546 18	14,662 06
State Debt	\$10,408 18	6,003 81	16,004 37	1,217 99	10,721 29	6,952 41	8,878 11
Sinking	45,486 61	14,550 51	6,534 28	7,133 76	23,117 67	5,383 32	11,393 15
Fund	10,587 78	844 42	7,067 71	5,239 21	3,997 27	10,113 02	19,213 55
Tax	14,590 36	10,737 10	16,323 21	8,760 97	24,009 60	4,783 05	9,010 83
Benevolent	\$15,497 68	9,025 70	24,032 28	1,807 96	16,088 89	10,471 02	13,149 37
Institution	68,487 70	21,939 38	9,770 42	10,704 65	34,771 44	8,046 05	17,068 33
Fund	15,951 91	1,241 28	10,635 52	7,856 91	6,027 95	15,231 42	28,914 65
Tax	21,921 08	16,137 46	24,649 51	13,018 84	36,094 90	7,200 30	13,435 84
State	\$3,645 80	1,991 78	5,282 49	635 86	4,365 23	2,553 45	2,993 32
	15,984 94	4,619 53	2,422 16	2,740 73	8,060 72	1,643 41	4,372 24
	3,578 08	443 49	2,873 85	1,849 54	1,929 02	3,354 33	6,352 95
	4,193 47	3,489 47	5,297 58	2,607 42	8,541 62	1,912 16	4,117 89
State Soldiers, Memorial Fund	\$1,526 84 6,900 30 1,609 25 2,199 23	2,216 64 119 05 1,620 13	2,406 87 970 85 1,070 33 2,497 90	1,071 25 1,071 25 785 32 1,277 37	1,610 28 3,496 14 609 20 3,625 74	1,055 55 798 81 1,535 49 725 05	1,281 39 1,702 56 2,910 35 1,327 49
COUNTIES	Adams. Allen. Bartholomew Benton.	Blackford	Cass. Clark. Clay. Clinton.	Crawford Daviess Dearborn Decatur	Dekalb. Delaware. Dubois. Elkhart.	Fayette Floyd. Fountain Franklin.	Fulton. Gibson. Grant. Greene.

2 98 10 48 10 48	407 05 495 42 495 31 998 64	958 02 376 48 862 07 981 11	500 85 305 48 200 20 457 53	979 87 204 36 531 68 778 98	949 88 886 34 611 41 770 94	11 26 10 31 15 33 15 63	\$ 19 8 19 1 39 1 39	0 21 5 87 2 79	5 32 32 34 34 34 34 34 34 34 34 34 34 34 34 34
62,868 64,915 17,272 66,690	78,46 105,48 77,48 42,99	48,98 26,86 21,98	58,56 76,36 38,4	467,97 113,20 32,55 133,77	753,9% 63,8% 12,61 67,77	31,581 85,240 34,982 50,685	64,072 5,478 21,558 21,621	39,270 15,675 25,256 72,312	46,967 34,448 53,497 78,639
62 00 46 00 17 50 155 00	164 00 208 00 214 00 153 00	72 00 72 00 12 00 32 00	127 00 62 00 156 00 60 00	74 00 186 00 174 00 496 00	344 00 146 00 62 00 158 00	174 00 172 00 45 00	76 00	88 00 62 00 194 00 114 00	72 00 75 00 112 00 126 00
	86 04	136 25	57 30	78 28			129 35		
266 39 180 48 196 01 214 52	253 99 275 11 264 58 232 87	126 19 265 08 228 49 147 31	196 63 272 70 283 55 156 59	300 55 346 86 196 25 547 33	1,683 41 237 01 112 89 261 09	178 01 189 17 183 22 95 82	249 61 47 06 136 21 139 75	208 65 152 27 173 58 187 65	216 87 117 80 208 47 278 14
20002	988 90 90 90 90	98886	17 67 40 74	93.4 93.4 93.4	900 900 900 900	05 50 84	00 00 25 25	26 116 59	17 98 68 09
3,138 4 4,000 0 3,500 0 3,825 2	2,681 4 3,413 3 3,219 4 3,000 0	1,542 1 2,464 1 4,187 3 2,006 1	2,816 1 6,253 6 4,028 4 1,869 7	5,418 0 2,727 3 3,174 9 4,585 5	7,579 6 2,750 6 3,000 0 3,891 5	2,594 0 2,187 6 2,681 5 1,134 8	2,915 6 578 0 2,638 7 2,698 2	3,472 2 2,170 1 2,796 4 2,587 5	3,741 1 1,095 9 4,132 6 4,256 0
7 75 3 00 3 16 1 51	0 13 6 51 9 23 9 67	5 36 7 76 1 69 9 49	1 74 9 80 7 48 3 82	8 76 1 74 5 65 9 04	7 25 4 43 7 91 6 84	4 36 9 84 5 65 7 21	2 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 50 8 50 8 50 8 50 8 50 8 50 8 50 8 50	2 30 6 29 1 50
577 593 123 611	730 996 719 379	465 527 211 189	541 819 697 353	4,538 1,051 275 1,229	7,177 594 87 87 616	274 809 305 487	588 45 174 182	343 120 209 688	412 324 466 466 721
4 18 6 19 1 47 3 06	7 77 4 09 0 42 6 52	1 68 2 12 9 74 6 79	5 54 5 54	4 74 1 87 5 32 1 48	5 00 4 42 4 07 4 31	2 44 3 97 9 53	6 49 0 53 0 64 9 64	6 37 9 46 2 79	9 35 6 10 7 27
8,084 8,296 1,721 8,553	10,217 13,924 10,040 5,316	6,491 7,372 2,959 2,646	7,574 11,439 9,755 4,945	63,444 14,701 3,845 17,181	100,345 8,314 1,224 8,624	3,832 11,323 4,273 6,809	8,236 640 2,440 2,549	4,806 1,689 2,924 9,612	5,759 4,536 6,514 10,117
8 10 2 60 9 01 1 66	8 45 6 78 4 24 4 07	4 37 8 60 7 52 6 42	4 63 4 38 9 91	6 67 6 80 2 85 2 07	9 46 1 72 3 77 7 05	40 70 20 20 00 10 10 10 10 10 10 10 10 10 10 10 10	3 10 7 00 0 35	5 26 5 89 5 13	9 66 8 17 5 54 4 82
17,088 17,422 4,099 17,891	21,618 29,336 21,374 11,514	13,594 15,748 6,587 5,766	15,844 25,117 20,604 10,449	132,316 31,996 8,502 37,222	215,079 17,461 2,833 18,357	8,374 23,729 9,294 14,065	17,543 1,460 5,497 5,590	10,294 4,025 6,527 20,045	12,489 9,578 14,385 21,264
0 33 7 76 3 22 3 22	1 95 4 23 6 71 5 16	1 90 2 44 6 62	888 888 845 888 845 888 888 888 888 888	9 41 7 61 5 99 1 35	5 16 5 06 5 06 6 4	88038	2 29 2 14 9 51 1 31	4 55 3 18 3 27 9 25	1 92 4 25 1 83
11,260 11,555 2,397 11,913	14, 231 19, 394 13, 966 7, 405	9,041 10,268 4,122 3,686	10,556 15,932 13,588 6,888	88,369 20,477 5,355 23,931	139,766 11,580 1,705 12,012	5,338 15,773 5,953 9,484	11,472 892 3,399 3,551	6,694 2,353 4,073 13,389	8,021 6,318 9,074 14,091
88 83 6 06 6 06	9 84 0 60 9 18 6 63	1 08 4 08 2 78 9 71	0 81 5 92 8 63 8 63	1 06 3 39 9 69 9 69	5 18 9 91 7 25 1 11	4 82 5 98 6 46 3 66	6 17 9 70 8 34 0 93	7 93 8 17 5 09 2 19	5 83 8 83
16,944 17,418 3,592 17,936	21,479 29,040 20,839 11,136	13,421 15,354 6,192 5,509	15,850 23,685 20,445 10,328	132,631 30,768 7,973 35,919	210, 265 17, 449 2, 507 18, 051	7,984 23,715 8,926 14,213	17,206 1,339 5,058 5,320	10,027 3,528 6,105 19,992	11,994 9,408 13,574 21,155
742 28 644 36 266 52 783 36	855 10 012 81 715 30 741 28	925 925 935 935 935 935	403 04 338 55 583 09 372 83	608 16 860 52 247 89 991 67	0 12 0 71 7 83 6 81	28 60 28 60 11 08	14 22 19 74 16 65 11 76	14 20 11 37 13 72 14 99	067 21 066 37 678 98 508 68
က်က်⊢်က်	4,0,4,0,	2,889 3,642 1,738 1,449	w,0,4,√v,	27, 7, 8,	50,560 3,590 837 3,986	2,037 5,128 2,300 2,931	4,064 339 1,526 961	2,334 1,221 1,643 3,714	യ,ഗ,യ,4,
04 48 59 05 58 57 06 86	74 36 93 91 56 17 19 44	313 76 525 76 621 11 546 93	90 22 25 92 57 18 32 05	278 52 087 23 785 27 596 49	49 68 60 80 40 63 11 53	93 97 82 88 91 86 18 67	720 16 134 26 497 63 530 94	352 51 609 52 980 88	91 84 27 11 50 04 19 18
1,704 1,759 358 1,806	2,174 2,893 2,056 1,119	E, 11	1,590 2,325 2,057 1,032	13,2	21,149 1,760 240 1,811	2,382 891 1,418	1,1	1,0	1,191 927 1,350 2,119
Hamilton	Henry. Howard. Huntington. Jackson.	Jasper Jay. Jefferson Jennings	Johnson. Knox. Kosciusko. Lagrange.	Lake. Laporte. Lawrence. Madison.	Marion Marshall Martin Miami	Monroe	Noble. Ohio. Orange. Owen.	Parke. Perry. Pike. Porter.	Posey. Pulaski. Putnam. Randolph.

JUNE SETTLEMENT SHEET-Continued

Tabular Statement Showing the Amounts Paid by County Treasurers at the June Settlement, 1921, for the May Installment of Taxes for 1921

Total	\$27,591 80 76,261 58 11,221 24 81,801 59	26,248 61 33,526 29 237,725 52 32,178 60	53,892 07 11,681 96 123,586 24 54,378 68	21,010 75 163,345 40 54,945 91 155,540 20	74,708 26 51,183 05 27,527 72 23,760 66	103,236 42 56,716 03 62,614 38 46,720 22	70 \$6,678,971 20
Docket Fees Circuit Court	\$98 00 57 00 160 00	50 00 42 00 256 00 58 00	50 00 10 00 102 00 110 00	84 00 468 00 88 00	174 00 94 00 58 00 25 00	214 00 66 00 80 00 102 00	\$11,433 70
Un- claimed Fees		\$143 15 23 95	3 20		30 30		\$872 83
Permanent Endowment Fund Indiana University Interest	\$194 91 199 49 72 76 258 80	204 28 90 17 460 31 168 19	212 16 116 40 394 03 176 94	72 67 601 37 135 97 583 67	268 94 107 80 202 49 174 05	395 76 208 02 174 97 166 94	\$22,935 86
School Fund Interest	\$2,487 06 3,737 12 732 25 4,588 67	2,616 22 1,886 14 6,417 73 1,000 00	3,673 60 2,267 60 6,370 62 3,167 19	813 00 7,311 33 3,082 37 7,374 64	4,500 00 1,700 00 3,000 00 2,243 31	5,256 60 1,700 00 1,866 83	\$302,707 37
State Vocational Fund	\$233 97 710 38 99 43 749 35	220 95 313 28 2,218 32 292 23	478 24 85 92 1,139 45 498 20	1,506 08 495 91 1,428 86	687 19 486 97 230 37 203 46	945 31 551 80 600 80 431 88	\$61,454 97
Educational Institution Fund Tax	\$3,270 79 9,941 67 1,390 50 10,481 52	3,085 60 4,358 55 31,015 13 4,085 67	6,672 01 1,199 64 15,915 45 6,970 25	2,749 04 21,063 54 6,926 17 19,958 95	9,604 46 6,808 33 3,219 88 2,842 23	13,221 90 7,709 90 8,400 25 6,042 85	\$859,092 10
School	\$7,341 48 20,546 01 3,032 95 21,972 83	6,871 25 9,109 92 66,969 64 9,046 85	14,625 32 2,781 51 33,560 07 14,559 34	5,708 03 44,538 59 15,159 18 43,060 05	20,112 70 14,024 94 7,136 90 6,247 71	27,996 58 16,227 17 17,469 48 12,826 23	\$1,8336,66 74
State Debt Sinking Fund Tax	\$4,555 77 13,847 30 1,936 75 14,598 96	4,298 01 6,070 80 43,201 67 5,690 79	9,293 20 1,670 96 22,167 96 9,708 57	3,829 02 29,338 55 9,647 20 27,799 88	13,377 53 9,483 19 4,483 69 3,958 81	18,416 23 10,738 75 11,700 44 8,416 84	\$1,196,584 17
Benevolent Institution Fund Tax	\$6,837 81 20,911 63 2,909 49 21,977 36	6,432 95 8,865 03 64,913 34 8,553 34	13,790 60 2,492 36 33,132 86 14,637 60	5,773 91 44,165 74 14,420 03 41,554 64	20,055 75 14,243 35 6,710 13 5,924 69	27,725 17 16,077 41 17,579 87 12,697 66	\$1,795,857 67
State Tax	\$1,985 36 4,150 65 698 30 4,800 56	1,828 88 1,952 11 15,616 15 2,400 87	3,744 52 811 15 7,359 78 3,071 88	1,201 15 9,904 05 3,647 25 9,565 08	3,924 24 2,776 13 1,818 42 1,524 79	6,272 18 3,535 39 3,144 72 2,884 75	\$414,858 71
State Soldiers' Memorial Fund	\$684 65 2,119 33 291 81 2,213 54	640 47 838 29 6,514 08 858 71	1,349 22 246 42 3,289 47 1,478 71	583 45 4,448 15 1,431 83 4,126 43	2,003 45 1,428 04 667 84 589 76	2,729 69 1,601 59 1,763 85 1,284 24	\$179,776 30
COUNTIES	Ripley Rush Scott Shelby	Spencer. Starke. St. Joseph. Steuben.	Sullivan. Switzerland. Tippecanoe. Tipton.	Union. Vanderburgh. Vermillion.	Wabash. Warren. Warrick. Washington.	Wayne. Wells. White. Whitley.	Totals

.....\$281,710 01

CONDITION OF INDIANA STATE TEACHERS' RETIREMENT FUND

For the year ending July 31, 1921

RECEIPTS

Balance—Cash in depositories July 31, 1920	\$8,701	81
Depository interest		
Interest on investments		
Securities matured 5,930 00		
Received from secretary	148,918	61
Total balance and receipts	\$157,620	42
DISBURSEMENTS		
Secretary's warrants paid-		
Expenses\$4,375 01		
Arrearages and assessments	138,143	21
Total balance	\$19,477	21
DEPOSITED AS FOLLOWS		
Commercial National Bank	. \$19,477	21
SECURITIES ACCOUNT		
Total securities held July 31, 1920	9969 169	80
Total securities matured		
Total securities matured	. 0,000	
Total securities held July 31, 1921	.\$262,232	80
RECAPITULATION OF RESOURCES		
July 31, 1921		
Cash in depositories	210 477	91
Total securities held		
Total Securities field	. 402,234	00

RECORD OF BALANCES, TREASURER OF STATE OF INDIANA

Auditor's Balances Sept. 30, 1921	\$168,603 94 70,743 474 1,203,434 18 16,284 85 77,748 71 227,748 71 227,748 71 227,25 09 10,833 71 47,225 09 11,446 47 11,446 47 11,446 47 180,425 20 267,659 25 257,659 25
Warrants Outstanding	\$73,157 68 2,312 61 6,525 75 1,066 89 85 02 85 02 3,014 52
Treasurer's Balances Sept. 30, 1921	\$241,761 65 2,312 61 1,299,959,969,969,969,969,969,969,969,969,9
Total Disbursed To Sept. 30, 1921	\$8,612,146 18 2,472,425 81 47,341 27 8,260,131 17,246 84 3,819,435 16 2,814,817 70 202,978 12 1,491,122 77 1,394 78 1,39
Total Receipts	\$8,853,907 80 2,474,738 42 9,559,973 54 8,559,973 54 4,046,887 61 2,814,817 70 10,629 97 11,619 97 180,425 20 366,417 40 831,507,616 51
Receipts Oct. 1, 1920-Sept. 30, 1921	\$7,731,993 61 6,8657 52 6,752,90 955 96 6,752,90 955 96 70,50 955 96 15,60 102 1,60
Balance Sept. 30, 1920	\$1, 121, 914, 19 49, 407, 82 2, 807, 073, 73, 41 12, 575, 74 24, 648, 96 149, 966, 60 254, 518, 10 1, 064, 66 1, 064, 66 1, 066, 244, 91
FUNDS	General. Raed. Fire Marshal. Figuray Commission Hydrophoha. Vocational Education. School Rayeaue for Tuition Benevolent Institution. State Delts Sinking. Unclaimed Estates Unclaimed Estates State Lands Estender Estates Estender Estates Swamp Lands Permanent Endowment I U, Principal Permanent Endowment I U, Interest. Vocidege Fund, Interest. World War Memorial Auto Theft.

REPORT OF THE DEPARTMENT OF PUBLIC INSTRUCTION

OFFICIAL STAFF

BENJAMIN J. BURRIS, State Superintendent of Public Instruction. J. S. HUBBARD, Deputy.
MAUDE M. WELLS, Clerk.
MAE CONOVER, Stenographer.

DIVISION OF TEACHER TRAINING

OSCAR H. WILLIAMS, Supervisor.
MARJORIE FORD, Assistant and Secretary.
MABEL E. STANLEY, Stenographer and File Clerk.

DIVISION OF ELEMENTARY AND HIGH SCHOOL INSPECTION

E. B. WETHEROW, Inspector. S. LEROY SCOLES, Assistant Inspector. MADGE OBERHOLTZER, Secretary. EVELYN G. KETT, Stenographer and Clerk.

DIVISION OF LICENSING TEACHERS

ROBT. K. DEVRICKS, Clerk. M. P. HELM, Assistant Clerk. ERMINA MOORE, Assistant Clerk. JUANDA KIRKMAN, Stenographer.

DIVISION OF VOCATIONAL EDUCATION

E. A. WREIDT, Director.
H. G. McCOMB, Assistant Director.
Z. M. SMITH, Agriculture.
BERTHA LATTA, Household Arts.
L. B. JOB, Rehabilitation.
GLEN ANDERSON, Secretary.
MARTHA MILLER, Stenographer.

DIVISION OF SCHOOL ATTENDANCE

BLANCHE MERRY, State Attendance Officer. JESSY DENNY, Secretary.

STATE TEACHERS' RETIREMENT FUND

ESTES DUNCAN, Executive Secretary.
ROXIE REESE, Clerk.
E. K. SHUGERT, Bookkeeper.
MARIE CONOVER, Stenographer.

FOREWORD

Indiana's school system is and ever must be a matter of pride to its citizens. By sanction of the Governor and state legislature, Indiana is planning for an exhaustive survey of all questions intimately affecting the work of the schools. This important movement will be comparatively inexpensive since most of the work is to be done voluntarily and without expense to the state by the general education board, who have sent experts to gather the data and report their findings to the survey commission. This commission will then make its report to the Governor for public consideration. By this means the citizens of Indiana may become informed fully and may be able to discuss intelligently the needs of our public school system.

Among important school problems which are now being stressed by the Department of Public Instruction are:

I. BETTER RURAL SCHOOLS

The most backward feature of the school work in Indiana is the rural schools. There are about five thousand one-room schools in Indiana. Many of these buildings are insanitary, poorly heated, lighted and equipped, and destitute of nearly everything essential to a twentieth century public school plant. Rural schools present one of the state's leading school problems.

II. BETTER TEACHERS AND TEACHING

Much is being done towards improvement of the training of teachers for our schools. A shortage of teachers, which has been experienced for the past two years, has been relieved in a large measure. Further relief is promised by the fact that the normal schools are crowded with prospective teachers.

III. SCHOOL SANITATION AND HEALTH

Many cities in Indiana are attacking this problem in a manner consistent with its importance. The problem is also being taken up in some of the leading rural schools of the state.

IV. COMPULSORY SCHOOL ATTENDANCE

The business of the new attendance department, which works in conjunction with the State Board of Attendance, is to see that the children of the state are in school so that all may obtain that degree of training essential to efficient participation in civic life.

RECENT SCHOOL LAWS

The 1921 session of the legislature passed a number of important school laws:

The retirement fund law was entirely worked over and is now statewide in its operation.

The state attendance law was changed in many vital points. Children now cannot quit school before they are through the eighth grade unless they reach the age of sixteen years.

The state school levy was increased to seven cents and sets aside 30 per cent. of the proceeds of this levy for distribution to the poor school corporations of the state.

The work of elementary and high school inspection will be extended because of the law which permits the appointment of an assistant in-

spector.

The minimum salary for county superintendents was placed at \$1,500 by an act which provides several different kinds of qualifications for county superintendents.

Text-book laws were amended so that dealers may charge a price which will give them 20 per cent. profit in place of twelve per cent.

The state vocational levy was increased from one-fifth to one-half cent.

A bill was passed providing for an appropriation of state money to match federal money for the rehabilitation of persons injured in industry.

The Vesey life license law was amended so that it will be an easier matter for teachers in service to secure life certificates.

Other acts were passed looking to the improvements of the schools of the state.

REPORT OF COMMITTEE ON DEPARTMENTAL ORGANIZATION

GENERAL OFFICE

- A. General supervision over all departmental divisions.
 - 1. Receipts and expenditures.
 - 2. Legal interpretation in doubtful cases.
 - 3. Appeal cases.
- B. Conferences with local school officials.
- C. Keeping minutes and other records of the State Board of Education.
- D. Keeping file of division circulars and reports.

DIVISION FUNCTIONS AND RESPONSIBILITIES

- I. Division of Teacher Training:
 - 1. Inspection of teacher training institutions and supervision of courses therein:
 - (a) For accrediting.
 - (b) For classification by the State Teachers' Training Board.
 - 2. Listing approved institutions outside the state.
 - 3. Evaluating credentials and issuing life and provisional state certificates, and county superintendents' certificates.
 - Classification for salary of holders of life and provisional certificates.
 - 5. Promotion of teacher training through:
 - (a) Conferences—local, district, state;
 - (b) Monthly circulars mailed to teacher training institutions and school superintendents; and
 - (c) Advisory and State Board committee work.

II. Division of Elementary and High School Inspection:

- 1. Inspection of elementary and high schools:
 - (a) For purposes of accrediting.
 - (b) For classification purposes.
- 2. Administering state aid.
- 3. School consolidation.
- 4. High school credit.
 - (a) General deficiency.
 - (b) Dental college entrance.
 - (c) Disabled ex-service men.
- 5. Granting to teachers permits and exemptions on training.
- 6. Bible study credit.
- 7. Commissioned equivalency.

III. Division of Licensing Teachers:

- 1. Preparation and distribution of examination lists.
- 2. Grading examination manuscripts.
- 3. Issuing teachers' licenses.
 - (a) General.
 - (b) Exemption.
 - (c) Life state on examination.
- 4. Supervision of county permits to teach.
- 5. Classification and wages based on licenses.
- 6. Evaluating and filing certificates of training.
- Receiving and approving all certificates of professional training for examination license.
- 8. Issuing certificates of professional training for outside institutions.

IV. Division of Vocational Education:

- 1. Promotion of vocational education by
 - a. Studying conditions in the state with a view to recommending the establishment of vocational schools or classes.
 - b. Preparing bulletins and circulars.
 - c. Conferences and correspondence with teachers, school officials, and members of boards of education.
 - d. Addresses to committees, clubs, and conventions of teachers and farmers.
 - e. Assisting local authorities in the establishment of vocational schools or classes.
- 2. Inspecting, supervising, and reimbursing vocational schools and teacher training courses, in (a) agriculture, (b) home economics, and (c) industry.
- 3. Issuing licenses to vocational teachers.
- Granting reimbursement for tuition paid for transfer pupils enrolled in vocational schools.
- Providing vocational training courses for the vocational rehabilitation of persons having a physical disability which constitutes a vocational handicap.

V. Division of Statistics and Accounting:

- 1. Apportionment of school funds.
- 2. Readjustment of congressional school funds (every ten years).
- 3. Receiving and approving statistical and financial reports from county superintendents.
- 4. Receiving and approving reports from county auditors.
- 5. Compilation of statistical summaries of said reports.
- 6. Warrant clerk for the department.
- 7. Bookkeeping records of salaries and traveling expenses of the staff, and other office expenses.

VI. Division of School Attendance:

- 1. Approval of qualifications of local attendance officers.
- 2. Supervision of work of local attendance officers.
- 3. Receiving and approving work permits issued to children between 14 and 16.
- 4. Receiving and approving reports of local attendance officers.

DIVISION OF TEACHER TRAINING

OSCAR H. WILLIAMS, Supervisor.

One of the outstanding features of teacher preparation during the academic year 1920-1921 was the marked increase in attendance in all grades of teacher training institutions. The fall enrollment in teachers' courses in the 35 accredited higher institutions in 1920 was 2,869 as compared with 2,674 in 1919, an increase of 6.09 per cent; in 1921, autumn enrollments in teachers' courses were 4,363, an increase of 63.16 per cent over 1919. The college and normal school graduates of 1920 numbered 2,106 as against 1,457 in 1919, a 44.68 per cent increase.

Perhaps it is in the spring and summer quarters that increases in teacher enrollments are most apparent. Thus in 1919, the summer registration totaled 6,778; in 1920, it rose to 8,288; in 1921, it reached the unprecedented figure of 9,721. In two years summer school attendance—composed almost wholly of teachers—increased more than 43 per cent.

During both spring and summer quarters the number of certificates of training of all grades issued on completed courses stood as follows: 3,950 in 1919; 4,449 in 1920; 6,191 in 1921. In two years these legally authorized training certificates increased more than 56.73 per cent in numbers.

The causes of the marked upward trend of enrollments in teachers' courses are not far to seek. Advancing standards of teacher preparation, higher levels of salaries paid to teachers, the acuteness of the business depression (bringing numbers of former teachers back to teaching), and the enhanced value placed upon college preparation in all lines of professional work, are exerting strong influences on teacher training. The fixing of the life and the provisional certificate as recognition of graduation from standard courses has also proved a potent influence in stimulating further preparation. As the highest types of

teaching certificates, these are coveted by teachers both because of the high professional standing which they reflect and of the exemption from license examinations which they carry.

VESEY LAW AMENDMENTS

The legislature of 1921 effected some noteworthy changes in the teacher-training law of 1919. Two of these changes are of outstanding importance. The first consisted of a change in the basis for awarding the life certificate to teachers in service, substituting for specific professional courses of training a successful teaching experience of forty-five months or more. The second withdrew from the training board the power of prescribing standards in accrediting higher educational institutions and vested this power in the General Assembly itself.

STANDARDS BECOME FIXED

A peculiar situation arose from the latter amendment. While withdrawing from the training board the authority to set standards, the legislature made the standards then in force the fixed legal standards for normal schools and colleges. Among the standards then in force was a requirement for colleges of not less than \$500,000 of productive endowment (or in lieu thereof a fixed annual income of at least \$25,000).

This requirement had been set by the training board in the summer of 1920, but was not to become effective until September 1, 1921. A few of the standard colleges did not possess the requisite endowment or supporting income, but most of them had under way campaigns for increasing their financial assets. As the year 1921, with its accompanying business depression, advanced, it became increasingly apparent that these colleges could not meet the legal standard of endowment assets. The training board had no power to lessen the requirement.

Relief from the embarrassing situation was found in two ways.

ENDOWMENT AND INCOME DEFINED .

It was found that the training board could determine what it would accept as endowment or income assets. On April 15, 1921, the board established the following:

I. PRINCIPLES RELATING TO ENDOWMENT AND INCOME

- 1. No part of productive endowment should under any circumstances be diverted to college building programs or current maintenance funds.
- 2. Fixed annual income should constitute the basis of permanent support, except in cases of tax-supported institutions or those maintained by religious brotherhoods; it is understood to be net annual income in every case.
- 3. Student fees should be employed primarily for the purposes for which they are assessed. Any residue therefrom should be used to supplement fixed annual income, but may not be included in the minimum required.

- 4. Building programs or expansion needs should respectively be financed by special "drives" or excess of income over normal demands, never from prescribed minimum of annual income.
- 5. Financial reports of colleges should reveal (a) productive endowment assets, (b) total supporting income, with sources, (c) income derived from taxation or from contributed services where rendered without money compensation, if any.

II. DEFINITIONS APPLYING TO SAME

1. Productive endowment should be understood to include the invested permanent assets, exclusive of grounds, buildings, equipment and appliances comprising the college plant, which yield a regular income for the support of the institution.

It may include invested assets of any or all of the following kinds, so long as they yield a regularly paid net income:

Bonds—municipal, state, federal, or corporation.

Stocks, if dividend-paying.

Estate notes or annuities, if yielding income in excess of annuity.

Productive real estate, not including boarding halls and dormitories.

Subscription notes, if interest-bearing from date.

Mortgage loans.

Cash, exclusive of current funds.

Any other substantial securities yielding a net annual income.

Pledged endowment, i. e., endowment pledged by national boards or foundations or by local organizations, should be included only if interestor income-bearing.

III. FIXED ANNUAL INCOME

Exclusive of student fees, should comprehend income from fixed endowment, or from subsidiary sources in so far as guaranteed to be stable and permanent.

- 1. Income derived from annual grants by church boards or conferences (conventions) should be included to any guaranteed minimum, if the guarantee is witnessed by a properly executed instrument; provided, that income derived from sustenance notes may be accepted for a period of not to exceed three years from date thereof.
- 2. Student fees should be understood to include all fees received from students for specific purposes, e. g., matriculation, tuition, graduation, athletics, gymnasium, laboratory, dormitory or boarding-hall, special examinations, and the like. All are excluded from recognized sources of supporting income.

IV. FINANCIAL SUPPORT

For tax-supported institutions shall include all income derived from state or federal taxation. Contributed services for colleges supported by religious organizations shall be understood to include all services by members thereof for which no money compensation is paid; provided, that such services should be estimated at current rates for similar services in other standard colleges.

Short term sustenance notes became the first expedient for tiding over the emergency.

A second means of relief was found in the board's power to grant a reasonable extension beyond September 1, 1921, of time for the requirement as to endowment or income to become fully effective. This was done in the cases of two of the smaller colleges, the time being extended to May 1, 1922. One of the larger institutions—Valparaiso University—was found to be hopelessly deficient and by alternative rating it accepted the standing of a standard normal school.

The official list of standard accredited normal schools and colleges is appended below.

MINOR CHANGES IN THE LAW

Amendments of lesser importance enacted by the legislature of 1921 include provision for a three-year junior high school provisional and life certificate course, the making of any business or correspondence school amenable for misuse of the term "accredited," the transferring from the teacher training institutions to the training board of the authority to issue provisional certificates to graduates, and the extension of the provisional certificate to teachers in service with less than forty-five months' experience, who graduated prior to, as well as subsequent to May 15, 1919. These changes corrected many of the obvious administrative deficiencies of the original law.

No change was made in the requirements for the provisional certificate, one-fifth the required credits consisting of professional work, including practice teaching and observation.

THE TEACHER CENSUS OF 1921

In the month of January the state department, with the aid of the school superintendents, conducted an extended census of the teaching population. For the first time detailed information respecting the teaching personnel, as regards sex, health and social status, age, general and professional preparation, length and character of teaching service, certification and classification, was obtained from 95 per cent of the teachers of the entire state.

The data, obtained by means of an extended questionnaire, were tabulated by the superintendents and compiled and interpreted by the division of teacher training.

In general, the report of the census shows that only a small portion—less than 5 per cent—of the teachers come from other states, and that nearly 20 per cent reside outside the school district or corporation in which they teach. Approximately 74 per cent are women, and 24 per cent men; 78 per cent report they are married, 24 per cent single; 60 per cent have dependents, and only 40 per cent are without dependents. The median age at beginning is 20 for men and 18 for women.

Considering the entire personnel, 70 per cent are graduates of high schools (or equivalent), nearly 12 per cent are normal school gradu-

ates, and slightly more than 13 per cent are graduates of colleges. While far from the ideal, this showing as compared with the several states is rather above the average.

More than 88 per cent of the teachers have obtained their professional preparation in summer schools.

TRAINING IN SERVICE

Aside from summer sessions, whose unprecedented growth was noted above, the development of plans for training teachers in service was a feature of prominence. Extension courses by correspondence, lecture-study, and adjunct classes, were carried by many hundreds of teachers under the direction of recognized institutions both within the state and outside. In August the training board approved a plan for conducting lecture-study courses by university extension in connection with the township institutes, credit being granted by the higher educational institutions toward degrees and advanced teachers' certificates. These monthly meetings are thus to become a useful means for the further preparation of teachers.

TEACHER TRAINING CONFERENCES

During the last quarter of 1920, a series of four district conferences on the teacher training work was held in as many centers. Faculties of teacher-training institutions, superintendents, and the state department of education participated in the conferences. In June, a two-day state conference was held at the state university. These conferences have proved a valuable means of unifying and co-ordinating the work.

NEEDS IN TEACHER TRAINING

Among the more patent needs in the training of teachers in Indiana may be named the following:

- 1. Larger state appropriations for normal schools.
- 2. Specific state appropriation for practice and demonstration centers.
- 3. Prescribed minimum of one year of consecutive normal training for beginning teachers.
- 4. Minimum wage law fixing schedule of salaries for successive levels of preparation.
- 5. Extension centers for normal schools for training teachers in service.
- 6. Follow-up work by colleges and normal schools with graduates in teaching service.
- 7. System of certification providing lower grade provisional certificates based on preparation and successful experience other than an examination.
- 8. System of teacher certification established by U. S. Bureau of Education providing uniform standards and facilitating exchange of life certificates with other states.

STANDARD NORMAL SCHOOLS AND COLLEGES

One normal school and one college were advanced to standard classification during the year. One standard college was reclassified as a standard normal school after September 1, 1921.

The following is the official list of standard normal schools and colleges:

STANDARD NORMAL SCHOOLS AND COLLEGES

For prescribed standards, see Educational Bulletin 43, "Teacher Training in Indiana", pp. 6-11.

1

STANDARD COLLEGES

Butler College
DePauw University
Earlham College
Franklin College
*Goshen College
Hanover College
Indiana Central College

Indiana University
Manchester College
Notre Dame University
Oakland City College
Purdue University
St. Mary's College
St. Mary's College
Wabash College
Wabash College

II

STANDARD NORMAL SCHOOLS

Central Normal College Indiana State Normal School, Main Division Indiana State Normal School, Eastern Division Teachers College of Indianapolis Tri-State College Valparaiso University

INDIANA ACCREDITED NORMAL SCHOOLS AND COLLEGES

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ACCREDITED FOR FOUR-YEAR CURRICULA LEADING TO CERTIFICATES IN HIGH SCHOOL SUBJECTS

Butler College, Indianapolis Central Normal College, Danville (In certain subjects) DePauw University, Greencastle Earlham College, Richmond Franklin College, Franklin Goshen College, Goshen Hanover College, Hanover Indiana Central College, Indianapolis Indiana State Normal School, Terre Haute and Muncie Indiana University, Bloomington Manchester College, North Manchester Notre Dame University, Notre Dame Oakland City College, Oakland City Purdue University, Lafayette St. Mary-of-the-Woods College, St. Mary-of-the-Woods Valparaiso University, Valparaiso Wabash College, Crawfordsville

^{*}For a period of four years from September 1, 1920.

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ACCREDITED FOR TWO-YEAR CURRICULA LEADING TO ELEMENTARY GRADE TEACHERS' CERTIFICATES

Central Normal College, Danville Evansville College, Evansville Fort Wayne Normal School, Fort Wayne Goshen College, Goshen Hanover College, Hanover Huntington College, Huntington Indiana Central College, Indianapolis Indianapolis Normal School, Indianapolis Indiana State Normal School, Terre Haute and Muncie Indiana University, Bloomington Manchester College, North Manchester Marion College, Marion Oakland City College, Oakland City St. Francis Normal School, Oldenburg St. Mary's College, Notre Dame Teachers College of Indianapolis Vincennes University, Vincennes Valparaiso University, Valparaiso Tri-State College, Angola Winona Summer School, Winona Lake

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ACCREDITED FOR TWO-YEAR CURRICULA IN SPECIAL SUBJECTS LEADING TO SPECIAL TEACHERS' AND SUPERVISORS' CERTIFICATES

0 - 137 10 11 75 111	
Central Normal College, Danville	Commercial subjects (Three-Year Course)
DePauw University, Greencastle, School of Music	
Goshen College, Goshen	
Gosneti Conege, Gosneti	
	Agriculture
T 1' TT ' '/ TN ' / C 1 1 C 2 5 '	Home Economics
Indiana University, Bloomington, School of Music	
Department of Physical Education for Men	
Indiana Central College, Indianapolis	Music
John Herron Art Institute, Indianapolis, Normal Department	Public School Art
Indiana State Normal School, Terre Haute	Agriculture
	Commercial Subjects
	Home Economics
	Industrial Arts
	Music
	Physical Educatio
Indiana State Normal School, Eastern Division, Muncie	•
	Music
	Home Economics
	Commercial Subjects
Normal College, N. A. G. U., Indianapolis.	
Teachers College of Indianapolis.	
Teachers Conege of Indianapons	
	Kindergartening
77 1	Home Economics
Valparaiso University, Valparaiso	
	Home Economics
	Music
	Physical Education

YEAR BOOK

STATISTICAL SURVEY

SUMMER SESSION REGISTRATION

Enrollments July 1.

Class A Enrollments

			Per Cent Gain
1919	1920	1921	1921 over 1919
Standard Colleges	746	820	14.36
Standard Normal Schools	696	1063	38.05
Normal Departments24	101	91	279.10
City and Special Normals 4	5	28	600.00
Total	1548	2002	32.14
Class B Enrollments			Per Cent Gain
1919	1920	1921	1921 over 1919
Standard Colleges	437	525	
Standard Normal Schools	550	558	6.06
Normal Departments	58	121	303.30
City Normal and Special Schools. 2	4	221	10,950.00
Total	1049	1226	6.51

SUMMER SESSION REGISTRATION

Enrollments July 1.

TOTAL REGISTRATION IN COURSES OF COLLEGIATE OR NORMAL SCHOOL GRADE

I STANDARD COLLEGES

Per Cent Gain

5.91 46.15

24.29

36

662

1,168

4,792

645

975

33

607

525

5,075

	1919	1920	1921	1921 over 1919
Butler College	106	166	244	130.18
DePauw University	88	. 56	153	73.85
Franklin College	116	170	265	128.44
Goshen College	100	112	162	52.00
Hanover College	91	120	186	104.38
Indiana Central College	47	51	70	48.93
Indiana University	1,308	1,479	1,652	20.82
Manchester College	36	40	48	33.33
Notre Dame University	329	463	620	85.16
Oakland City College	230	229	349	51.73
Purdue University.		40	171	

St. Mary's College....

St. Mary-of-the-Woods...

Valparaiso University.

II STANDARD NORMAL SCHOOLS

	1919	1920	1921	Per Cent Gain 1921 over 1919
Central Normal College	720	750	931	26.52
State Normal School (Terre Haute)	791	938	1,451	83.43
State Normal School (Muncie)	536	902	982	83.20
Teachers College (Indianapolis)	390	395	533	36.66
Tri-State College	126	201	180	42.85
Totals	2 563	3 186	4 059	36.85

Ш

NORMAL DEPARTMENTS IN NON-STAN	DARD	COLLEGES		Per Cent Gain
	1919	1920	1921	1921 over 1919
Ferdinand Academy			72	
Oldenburg Academy	104	180	175	68.26
Evansville College		80	228	
Huntington College	20	50	54	185.00
Totals	124	310	529	268.70

IV

CITY NORMAL AND SPECIAL SCHOOLS

	1919	1920	1921	Per Cent Gain 1921 over 1919
Fort Wayne Normal		20	80	
Normal College, N. A. G. U.			50	
Grand Totals	6,778	8,288	9,793	44.48

STATISTICAL SUMMARY OF LIFE AND PROVISIONAL CER-TIFICATES ISSUED

(Fiscal Years 1919, 1920 and 1921, ending September 30, respectively.)

TRAINING INSTITUTIONS INSIDE THE STATE

STANDARD COLLEGES

To Graduates of	Provi	isional Certi	ficates	Life State Certificates		
To Graduates of	1919	1920	1921	1919	1920	1921
Butler College	0	6	12	0	1	15
DePauw University	0	16	19	12	12	40
Carlham College	0	11	13	3	7	15
Franklin College	0	17	5	4	7	8
oshen College	0	0	4	0	1	7
Ianover College	0	8	10	3	4	7
ndiana Central College.	Ü	0	9	0	0	0
idiana University	1	6	12	25	41	178
fanchester College	0	7	8	0	2	1
lotre Dame University	0	0	0	0	0	2
akland City College	, 0	0	5	1	2	4
urdue University	15	51	48	1	7	16
t. Mary-of-the-Woods College	ű	14	8	0	21	0
alparaiso University	1	4	8	2	12	14
Vabash College	0	0	0	4	2	5
Total	17	140	161	55	119	312

STANDARD NORMAL SCHOOLS

To Graduates of	Provisional Certificates			Life State Certificates		
10 Graduates of	1919	1920	1921	1919	1920	1921
Central Normal College	0 10 0 1 0	11 45 6 50 3	18 87 17 79 9	1 16 0 28 7	5 31 3 25 13	12 69 1 25 6
Total	11	115	210	52	77	113

YEAR BOOK

NORMAL DEPARTMENTS

To Graduates of	Provis	ional Certifi	icates	Life State Certificates		
To Graduates of	1919	1920	1921	1919	1920	1921
Art Institute Convent of Sisters of St. Francis Evansville College. Huntington College. Moores Hill Muncie National Institute Normal College, N. A. G. U. Marion Normal College. South Bend Training School Vincennes University Winona Normal College.	0 0 0 0 0 0 0 0 0	0 13 4 0 0 0 0 0 3 0 0	1 36 10 2 0 0 0 3 0 0 0	0 3 0 0 0 2 0 3 0 0	0 6 0 0 0 0 0 0 1 0 0	0 9 3 0 1 4 0 0 4 0
Total	0	23	52	8	7	22

CITY TRAINING SCHOOLS

To Graduates of	Provis	ional Certifi	cates	Life State Certificates		
10 Graduates of	1919	1920	1921	1919	1920	1921
Evansville Normal. Fort Wayne Normal. Indianapolis Normal. Total	0 0	0 10 0	14 45 19 78	1 2 1	10 30 1 41	1 8 3 12

TRAINING INSTITUTIONS OUTSIDE THE STATE

To Graduates of	Provis	sional Certif	icates	Life State Certificates		
	1919	1920	1921	1919	1920	1921
University of Chicago. University of Illinois. University of Michigan. University of Wisconsin. Columbia University. Michigan State Normal (Ypsilanti).	4 2 0 0 0 0 6	5 0 0 0 0	8 1 0 0 1 6	5 2 2 0 0 3	18 2 1 2 4 20	26 11 11 4 6 11
Western Michigan State Normal (Kalamazoo)	$\begin{smallmatrix}0\\12\end{smallmatrix}$	0 25	6 94	0 20	0 18	4 151
Total	24	30	110	. 32	65	224

FINANCIAL STATEMENT

From fees—	
For Life State Certificates. For Provisional Certificates.	.\$3,410 00
	\$4 120 00
From General Appropriation	4,199 00
Total Receipts	\$8,942 83
DISBURSEMENTS	
Printing, Office Supplies, Stationery, Telephone and Telegrams Postage Traveling Expenses. State Conference Speakers.	. 671 29

SALARTES

Oscar H. Williams.	3,600	00	
Marjorie E. Ford	1,400	00	
Mabel C. Stanley	500	00	
Special—			
Roy B. Julian	300	00	
Jessy C. Denny	45	83	
Laura M. Reyer			
		- 5,885 83	,
Total Disbursements		\$8,942 83	

DIVISION OF ELEMENTARY AND HIGH SCHOOL INSPECTION

E. B. WETHEROW, State School Inspector.

In the last General Assembly a law was passed which provides for the appointment of an elementary and high school inspector and gives the State Board of Education authority to appoint one assistant. The high school inspection law which was passed in 1913 was repealed. The new law provides for inspection and classification of all public, elementary and high schools in Indiana. All town, city and county superintendents are made co-operating agents of the inspectors.

The elementary and high school inspector began his work on June 1st and later in the same month S. LeRoy Scoles was appointed his assistant.

SOME DUTIES OF INSPECTORS

Some of the duties of the school inspectors are as follows:

- 1. Inspection of high schools to ascertain needs in buildings, equipment and teaching.
- 2. Reports to the State Board of Education for classification of high schools.
- 3. Issuance of temporary and permanent permits on training of teachers, as approved by the State Board of Education.
- 4. Reports to township trustees and to school boards which make recommendations for improvement.
 - 5. Inspection of elementary schools on request.
 - 6. Inspection of private and parochial schools on request.
- 7. Editing of the High School Directory and such other bulletins as are needed for the division of inspection.
- 8. Recommendations for issuance of permits to establish Bible Study for credit.
 - 9. Supervision of State examinations for high school credit.

CLASSIFICATION OF HIGH SCHOOLS

During the school year the commissioned high schools in Indiana were classified by the State Board of Education into three classes:

First Class—All high schools which have a school term of nine months and hold commissions on continuous basis.

Second Class—All high schools which have a school term of eight months and hold commissions on continuous basis.

Third Class—All high schools whose commissions are issued for but one year and expire at the end of the school year.

Other high schools which are not commissioned are accredited for one, two, three or four years of work, or are known as unclassified high schools.

CLASSIFICATION OF ELEMENTARY SCHOOLS

A plan for the classification of all elementary schools on a basis of 100 points was approved by the State Board of Education June 21, 1921. This plan provides that schools which score 90 points or higher shall be known as schools of the first class; that all schools which score above 80 points and below 90 shall be known as schools of the second class; and that all schools which score below 80 points shall be known as schools of the third class. For the school year of 1921-1922 schools shall be classified only on request. Beginning in September, 1922, all elementary schools in Indiana will be classified.

The main divisions on the score card and the points for each are as follows:

		Points
I.	The school ground	. 6
II.	The school building	. 20
III.	Heating and ventilation	. 7
IV.	Equipment	. 21
v.	The school term	. 8
VI.	The teacher and the school	25
VII.	Supervision	. 7
VIII.	Janitor service	. 6
	Total	100

These divisions are sub-divided so that any school official may score a school intelligently.

THE JUNIOR HIGH SCHOOL

During the year there was a noticeable growth in the junior and six-year high schools. One hundred and sixty-five were reported as having such organization, but only thirty-eight, as listed below, were approved by the State Board of Education:

JUNIOR HIGH SCHOOLS

Anderson Bedford

Brazil

Forest

Elkhart Roosevelt

SIX-YEAR HIGH SCHOOLS

Bourbon Bowers Charlottesville Clarkesburg Clear Creek Center Dallas Township Darlington

Howard Township Lancaster Center Liberty Township Linden Markle

Mount Comfort

New London
New Palestine
Petroleum
Plainfield
Polk Township
Posey Township
Raccoon Township
Roanoke
Roak Creek Center

Russiaville

Salamonie Township
Sandusky
Seymour
Straughn
Union Center
Union Township
Warren Township
Waveland
Wayne Township
Winamae

The outlines of work for the six-year high school and for the junior high school have been revised to conform to a program of forty-minute recitations instead of thirty-minute recitations. This revision makes it possible to make the same time schedule for grades seven and eight as for the high school and by so doing, to allow teachers to work in both the seventh and eighth grades and in the high school.

SOME APPARENT NEEDS

- 1. A law which will provide for State aid in erection of school buildings in several of the counties in southern Indiana.
- 2. A number of modern school buildings and additions to old ones in many counties.
- 3. Better supervision of schools by principals, and by visiting teachers for the one-room schools.
- 4. Consolidation of schools in many townships and consolidation of towns and townships wherever possible.
- 5. Many additional vocational teachers in agriculture and home economics.
- 6. A greater number of properly trained teachers for the special subjects.

FINANCIAL STATEMENT

SALARIES				
E. B. Wetherow, inspector\$2,6	66 (64		
S. LeRoy Scoles, assistant (for three months) 6	87 8	50		
Madge Oberholtzer, secretary	00 (00		
Blanche Richardson, clerk and stenographer (for nine months) 9	00 (00		
Gladys Kett, clerk and stenographer (for three months) 3.	00	00		
Jessy Denny, stenographer (for two weeks)	50 (00		
			\$5,804	14
TRAVELING EXPENSES				
For E. B. Wetherow\$9	57	52		0
For S. LeRoy Scoles 3				
			1,304	50
MISCELLANEOUS				
Postage \$4	40	00		
Printing of high school directory				
Other printing and office supplies	69	54		
Telephone and telegrams 1	00	95		
Office furniture and typewriters 4	3 5 '	77		
			3,715	77
Total			\$10,824	41

TABLE AND SUMMARIES

Total Existing High Schools

	1917–1918	1918–1919	1919–1920	1920-1921
Total number commissioned high schools. Total number certified high schools. Total number accredited high schools.	583	597	620	631
	118	121	77	68
	62	84	54	51
Total number private schools with commissioned high school equivalency	43	43	*26	*30
	97	28	60	40
Grand total number of high schools	903	873	837	820

INCREASE IN HIGH SCHOOLS

(Eight-year period)

School Year	Total School Enumeration	Total Enrollment in All Schools	· Total Enrollment in High Schools	Total Number High School Teachers, Principals and Superintendents	Total Number High Schools
1913–1914	766,383	548,497	59,822	3,307	628
	768,622	552,927	64,404	3,696	719
	774,342	564,252	69,651	3,926	809
	774,642	567,952	72,383	4,242	847
	776,868	564,162	77,695	3,819	903
	778,786	557,376	74,891	3,780	873
	784,430	566,089	78,849	4,732	837
	797,537	578,849	86,880	5,123	820

ENROLLMENT IN HIGH SCHOOLS

(Four-year period	od)			
Commissioned High Schools BoysGirls.		1918-19 32,304 38,209	$\begin{array}{c} 1919-20 \\ 34,995 \\ 39,952 \end{array}$	1920-21 38,762 44,310
Total	67,176	70,513	74,947	83,072
Certified High Schools— Boys Girls	1,835 1,932	1,249 1,523	1,257 1,376	1,260 1,368
Total	3,767	2,772	2,633	2,628
Accredited and Unclassified High Schools— Boys	2,046	715 891 1,606 74,891	567 702 1,269 78,849	570 610 1,180 86,880
• GRADUATES OF HIGH	schools	,	,	,
Commissioned High Schools— Boys	6,126	1918–19 4,639 6,495	1919–20 4,991 6,467	1920-21 5,228 6,627
Total	10,802	11,134	11,458	11,855
Certified High Schools— Boys	292 306	217 243	183 ° 236	209
Total	598	460	419	409
Grand total	11,400	11,594	11,877	12,264

^{*}Includes private and parochial schools.

HIGH SCHOOLS-COST OF MAINTENANCE

Com	nissioned High Schools—	1917–18	1918-19	1919-20		1920-21	
	Total current cost for year\$4,28	5,945 05	\$4,891,241 62	\$6,236,072	99 \$9	,460,999	18
	Total cost per pupil	58 90	69 36	82	39	113	88
Conti	fied High Schools—						
Ceru		8,261 07	267,591 05	278,504	43	315,963	50
	Average cost per pupil	74 30	96 53	110		120	
		11 00	00 00	110	01	120	20
Accre	edited and Unclassified High Schools-	0.004.01	107 771 10	407 004	00	440 =40	
	Total current cost for year 14		137,551 42	137,204		140,740	
	Average cost per pupil	73 02	85 64	105	70 _	110	80
	Grand total for year\$4,68	2,510 73	\$5,296,384 09	\$6,651,782	40 \$9	9,917,703	68
	Grand average cost per pupil	60 26	70 72	83	66	114	15
	STATE SCHOOL	LINSPECT	OR'S REPORT				
	STATE SCHOOL	LINSPECT	OR'S REPORT				
			1917-18	1918–19	1919-20	1920	-21
	Schools having received first commission			14	26		11
	Schools having commission reissued			72	88		86
	Schools having commission renewed			6	9		*
	Schools having commission continued			79	63		72
	Schools having commission revoked		10	. 6	5	1	*
Tota	schools inspected for commissioned stand	ling	228	177	191		169
	Schools having received first certificate.		11	- 5	7		1
	Schools having certificate reissued		20	19	11		8
	Schools having certificate renewed		1	4	0		1
	Schools having certificate continued		10	9	0		6
	Schools having certificate revoked		6	1	0		· 1
Tota	schools inspected for certified standing		48	38	18		17
	Schools accredited for one year		1		0		1
	Schools accredited for two years		8	12	. 7		7
	Schools accredited for three years		11	12	. 9		16
				0	0		0
	Schools accredited for four years			3	U		2
Tota	Schools accredited for four years I schools inspected for accreditment			27	16		26

^{*}The commissions of seven high schools were revoked because of delinquent annual reports, but were renewed later.

DIVISION OF LICENSING TEACHERS

The following kinds of licenses may be used in teaching in the public schools of the State:

ELEMENTARY SCHOOLS

Twelve, twenty-four and thirty-six months common school license.

Primary license for grades 1-4.

Total schools inspected.....

Exemption common school license.

Elementary provisional certificate.

Elementary life State certificate.

State Normal diploma.

Professional (eight year) license.

Life State license (by examination).

HIGH SCHOOL

Twelve, twenty-four and thirty-six months high school license. (Issued in the subjects that are to be taught.)

Exemption high school license. (Exempt in subjects found on license.)

High school provisional certificate. High school life State certificate.

State Normal diploma.

Professional (eight-year) license.

Life State license by examination.

The following licenses are not mentioned above: Explanation following each will define its use.

PROVISIONAL AND LIFE STATE SPECIAL CERTIFICATES

Provisional and life state special certificates are issued in Kindergarten, Kindergarten Primary, Primary and Special subjects such as Music, Art, Domestic Science, etc. The certificates will specify whether for elementary or high schools.

JUNIOR HIGH SCHOOL LICENSE

Subjects included in this license qualify the teacher for teaching the subjects mentioned therein in the 9th, 10th, 11th and 12th grades, and the corresponding subjects in the 8th grades. The common school subjects mentioned in this license qualify for teaching such subjects in junior high schools.

SUPERVISORS' LICENSES

Supervisors' licenses qualify for teaching or supervising the subject upon which the licenses are granted in both the elementary and high schools. Exemptions are issued on 36 months supervisors' licenses.

SPECIAL COMMON SCHOOL LICENSES

Special licenses are issued in Music, Domestic Science and Agriculture, which qualify the teachers for teaching these special subjects in the elementary schools. These subjects may be included on the 12, 24 and 36 months common school licenses or may be taken on a separate examination.

MANUSCRIPTS RECEIVED

October 1, 1920, to September 30, 1921

Common school—Plan I	8.775
Common chool—Plan I, cond.	2,906
Common school—Plan II, Div. I	76
Common school-Plan II, Div. II	24
High school	7,425
Supervisor	2,776
High school credit (II cond.)	821
Total number manuscripts received	22,803

LICENSES WRITTEN DURING THE YEAR 1921

COMMON SCHOOL

12 months		
24 months 1,045 36 months 136 Total 3,709 PRIMARY 12, 24 and 36 months 802 HIGH SCHOOL Junior high school 1,466 Senior high school 3,976 Total 5,442	12 months	28
### Total ### 3,709 PRIMARY 12, 24 and 36 months		
Total 3,709 PRIMARY 12, 24 and 36 months 802 HIGH SCHOOL Junior high school 1,466 Senior high school 3,976 Total 5,442		
### PRIMARY 12, 24 and 36 months. ###################################	36 months	36
### PRIMARY 12, 24 and 36 months. ###################################		no resp
## PRIMARY 12, 24 and 36 months	Total	2 700
### 12, 24 and 36 months 802 #### HIGH SCHOOL Junior high school 1,466 Senior high school 3,976 Total 5,442	1000	0,100
### 12, 24 and 36 months 802 #### HIGH SCHOOL Junior high school 1,466 Senior high school 3,976 Total 5,442		
### 12, 24 and 36 months 802 #### HIGH SCHOOL Junior high school 1,466 Senior high school 3,976 Total 5,442	PRIMARY	
HIGH SCHOOL Junior high school		
HIGH SCHOOL Junior high school	12, 24 and 36 months	802
Junior high school	۲	
Junior high school 1,466 Senior high school 3,976 Total 5,442		
Senior high school	HIGH SCHOOL	
Senior high school	Junior high school	66
Total	Comicar bigh school	7.0
SUPERVISOR	Senior night school	10
SUPERVISOR		_
20220000	Total	5,442
20220000	· · · · · · · · · · · · · · · · · · ·	
202201000		
12, 24 and 36 months	SUPERVISOR	
	12, 24 and 36 months	2,005
Grand total	Crand total	11.050

MANUSCRIPT DEPARTMENT

RECEIPTS

(From Oct. 1 1920, to Sept. 30, 1921)

Total	Fees	\$3,546 74	2,211 50	2,272 00 2,162 00 1,723 75		\$18,246 24	50 31 88 00 5 25	\$18,389 80
High School	Credit Fees.		57 50	82 33 50 25 00	88 50 124 00	\$410 50		
Super-	Fees	\$195 00	270 75	253 50 260 25 228 75		\$2,082 00		
High	Fees	\$597 75	208 00	682 50 688 50 612 00		\$5,568 75		
Common	Fees	\$79 50	1,175 25	1,254 00 1,179 75 858 00	948 00 872 25 271 50	\$6,638 25		
High	Credit MSS.	Cond. 2	115	164 67 50	177	821	30	
Super-	MSS.	260	361	338 347 305	345 491 329	2,776	t. 1, to Sept	
High	MSS.	797	944	910	1,252	7,425	2 months Oc in mail	
,	Div. II	1		10 00	6	24	alance for 1.	
COMMON SCHOOL MSS.	Div.		16	17	00 00 m	76	I Bank on B 1.00 each mon, origin	
COMMON S	Condi- tion	42 No exam.	TAO CAGIII.	No exam. 560 558 563	408 479 296	2,906	can Nationa licenses at \$ om E. D. All	
	Plan I	106	1,551	1,655	1,256 1,155 359	8,775	stcher Ameri 38 duplicate for \$5 25 fr	
THUMAN	MONTH	Balance Brought Forward from Sept. 30 1920 October. November	Fleenber F1921 January	February March April Meyr	June July July August,	September	Received interest from Fletcher American National Bank on Balance for 12 months Oct. 1, to Sept. 30. Received fees for writing 88 duplicate licenses at \$1.00 cach. Received duplicate cheek for \$5.25 from E. D. Allmon, original cheek lost in mail.	Total Receipts

DISBURSEMENTS

			:	
	Grading MSS.	Salaries	Miscellaneous	Total
1920 October December December, Paid to State Treasurer, Uz McMurtrie	235 20	\$391 66 783 33 391 66	5 25	\$391 66 1,023 78 391 66 2,664 21
	848 71			1,632 04
April. May June Thirt	889 22 893 09 665 57	391 00 391 66 391 66 391 67	87 90 63 50 74 70	1,280 88 1,322 65 1,120 74
				1,253 30 1,253 30 949 49
	\$5,474 83	\$5,287 12	\$320 75	13,746 91
Sept. 30, 1921, Balance on hand in Fletcher American National Bank.				4,642 89
Total Disbursements.				\$18,389 80

DIVISION OF VOCATIONAL EDUCATION

CLAIMS FOR REIMBURSEMENT CANNOT BE PAID

Although Table 1, below, shows a balance of \$27,584.48 on hand at the end of the fiscal year, the total resources for the year, \$424,232.99, were not sufficient to meet all claims for reimbursement.

TABLE 1. RESOURCES AND EXPENDITURES October 1, 1920, to September 30, 1921

	RESOURCES			
(1)	Balance October 1, 1920		\$216,623	67
	(a) State funds, cash ¹ \$8,282	59		
	(b) Federal funds, cash	04		
	(c) State funds, invested 197,424	04		
(2)	Federal funds		91,802	3.1
(3)	State taxes		115,807	1.0
				<u> </u>
	Total		\$424,232	99
	EXPENDITURES			
(1)	State office		\$18,533	60
	(a) Salaries\$14,605	89		
	(b) Travel 2,113	65		
	(c) Expense	06		
(2)	Reimbursement, teacher-training		22,655	54
	(a) State funds	98		
	(b) Federal funds 22,408	56		
(3)	County agents ²		78,385	86
(4)	Reimbursement, transfer tuition		37,376	65
	(a) Agriculture \$26,535	05		
	(b) Home economics 8,093	72		
	(c) Industry 2,536	86		
(5)	Reimbursement, vocational courses		239,696	86
	(a) Agriculture \$65,949	86		
	(b) Home economics	96	v	
	(c) Industry 125,504	04		
	Total		\$396,648	51
Bal	ance October 1, 1921		27,584	48
			\$424,232	99

The total claims for reimbursement for teacher-training, tuition and vocational courses amounted to \$385,104.11. This amount, together with the expenditures for county agents and State office, totalled \$482,023.57, which was larger by \$57,790.58 than the total resources available.

In addition to eliminating this deficit, it was necessary to set aside the sum of \$27,584.48 for county agents and for State office expenditures up to January 1, 1922, when the next State tax receipts are available. To accomplish these results it was decided to prorate the claims for reimbursement for vocational courses and for teacher-training,

¹The Auditor's balance here is \$8,921.50. The difference, \$638.91, is an interest item paid to the Federal government after October 1, which should have been paid before October 1.

² Although the expenditures for county agents are administered by Purdue University, the amount is included here since it is taken from the tax levy fixed in the law on vocational education.

about 75 per cent of these claims being paid. The amounts in Table 1 are the amounts actually paid.

HISTORICAL STATEMENT

As shown in Table 19, below, the expenditures have increased rapidly since 1912-13. For 1920-21 the increase is 25 per cent over 1919-20.

The legislature of 1913 levied a tax of one cent for vocational education with the understanding that during the first few years the proceeds of this tax would be larger than needed and that the surplus thus accumulated would be applied in later years when the needs should exceed the annual income.

In 1917, in view of the accumulation of this surplus, the legislature reduced the tax levy to one-half cent and in 1919 the tax commissioners, in a general readjustment of tax levies to correspond to the increased valuation, reduced the levy to one-fifth cent. Meantime, the work increased and in 1918-19 the expenditures for the first time exceeded the annual income from State and Federal funds combined, since which time it has been necessary to draw increasingly upon the accumulated surplus, until it was exhausted in the year 1920-21.

Anticipating the deficit occasioned by the increase in vocational education and the decrease in the proceeds of the tax levy, an appeal was made to the last legislature to restore the tax levy to its original amount, namely, one cent. The legislature, however, saw fit to fix the levy at one-half cent.

HALF CENT LEVY IS NOT SUFFICIENT

Although the levy of one-half cent is a generous increase over the former levy, it is still not sufficient to meet the legal claims for reimbursement for vocational schools already in operation. For the last three years the income from the tax levy has each year not been sufficient to meet the annual expenditures, even when the levy has been supplemented by Federal funds. During these three years the surplus accumulated from former years, has been drawn upon to meet expenditures, until in 1920-21 the entire surplus was exhausted. For 1921-22 and 1922-23 there will be no surplus to draw upon and the resources will therefore be limited to the Federal funds and the receipts from the State levy of one-half cent. These resources will each year be less than the actual expenditures in 1920-21 when the surplus was available to supplement the insufficient receipts from the State and Federal funds.

EXPENDITURES MUST BE LARGELY REDUCED

Since the available funds for 1921-22 and 1922-23 are largely reduced, the expenditures must also be largely reduced. The available funds, State and Federal, are (partly estimated) \$327,801.10 for 1921-22 and \$383,665.62 for 1922-23. The expenditures (estimated) for 1921-22 are \$439,548.83, which amount includes reimbursement for no schools other than those reimbursed for 1920-21. These figures show a deficit of \$111,747.73 for 1921-22.

To eliminate this deficit, notice has been given to local school au-6-19930 thorities that no new schools can be aided during 1921-22 and that the amount to be granted to schools already on the list would be about 50 per cent of the amount received in 1920-21. In other words, the reimbursement for 1921-22 for schools already on the list, will be about one-fourth of the salaries of vocational teachers whereas before 1920-21 it was two-thirds of the salaries.

The estimated deficit for 1922-23 is \$40,997.33 which is less than the deficit for the preceding year, 1921-22. This decrease in the deficit is due mainly to the fact that for 1921-22 the tax receipts are still on the one-fifth cent basis for the money received in December, 1921, and do not advance to the one-half cent basis until June, 1922. For 1922-23 the tax receipts are on the one-half cent basis for the entire year.

The larger receipts for 1922-23, however, will still leave a deficit of \$40,997.33 for that year, even if no schools are reimbursed other than those on the list in 1920-21. In other words, as long as the levy remains at one-half cent there will be a deficit, even if no new schools are reimbursed, and the schools already on the list can not receive the minimum reimbursement fixed in the law.

SEVENTEEN SCHOOLS ABANDONED AND EXPANSION ELIMINATED

As a consequence of the reduced reimbursement for 1921-22, seventeen schools in operation last year have already (November, 1921) been abandoned, nine in agriculture and eight in home economics. These seventeen schools were located mainly in small rural communities. In addition, about fifty school corporations were making definite plans to establish vocational schools for the first time in 1921-22 but abandoned their plans on learning that no reimbursement whatever could be granted for new schools.

STRONG DEMAND FOR VOCATIONAL SCHOOLS

The fifty school corporations just referred to were not encouraged by the State office to make plans for new schools this year. Their plans were entirely the result of their own initiative. This fact is evidence of the need and the strong demand for vocational schools. On the other hand, the fact that these fifty school corporations abandoned their plans on learning that no reimbursement could be secured is evidence that very little increase in the number of vocational schools in the State can be expected in the near future unless State aid is available for a portion of the cost of such schools.

Every year during the last four years the demand for new agriculture schools has been greater than the number of teachers available for such schools. About twenty new agriculture schools have been added each year. Many more could have been added if more teachers had been available. This year, 1921-22, agriculture teachers are being sent to other states, partly because insufficient State funds make it impossible to establish new agriculture schools in Indiana.

HOW MUCH IS LEFT UNDONE

Indiana has every reason to be proud of its progress thus far in vocational education. The percentages in Table 19, below, indicate the

rapid expansion which has taken place since 1913 when the State law was enacted.

Are we justified, however, in concluding that we have completed the program involved in a State system of vocational education? Are we using all the State money that should be devoted to vocational education? What portion of the State has now been reached by vocational schools?

Last year, 1920-21, of the 1,256 school corporations in the State, there were 341 school corporations, about one-fourth of the total, which had over 23,000 pupils enrolled in vocational schools. These 341 school corporations included ninety-eight which conducted vocational schools and 243 which did not conduct vocational schools but which transferred some of their pupils to vocational schools in neighboring school corporations.

About three-fourths of the State, then, has not yet been reached by vocational schools. More than 70,000 of the youth of the State do not now have the opportunity for vocational training which they should have if the intent of the law is to be carried out. Stated in other terms, there were fifty-one counties which had no agriculture school last year; fifty-seven counties which had no home economics school; and sixty-nine counties with no industrial school.

VOCATIONAL SCHOOLS, 1920-21

Table 2, below, shows the location of the ninety-eight school corporations conducting vocational schools in 1920-21, in one or more of the fields of agriculture, home economics, and industry. It also shows for each school corporation the number of vocational pupils and teachers, the total amount expended for salaries of vocational teachers, and the portion of this amount which was paid from Federal funds, from State funds, and from local funds. Table 3 classifies the totals of Table 2 in terms of agriculture, home economics, and industry.

TABLE 2.	VOCATIONAL'	SCHOOLS.	1920-21
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Location		No. of Teachers	Reim- bursement	Local Funds	State Funds	Federal Funds	Total cost for salaries
Anderson. Angola Attica. Auburn Aurora Battle Ground* Bedford Brazil Bremen Brookston Chalmers Charlestown Clay City Columbia City Columbia City Cory. Corydon. Crawfordsville Dayton* Delphi.	1,377 25 14 77 54 12 194 46 35 36 11 13 26 62 158 12 43 156 9	45 1 1 3 2 1 5 2 2 2 2 2 1 1 1 2 8 1 1 1 2 1 1 1 1 1 1	\$9,346 09 918 75 500 00 2,163 61 1,650 00 1,337 49 1,779 58 971 35 492 19 666 66 1,162 50 1,991 61 1,459 50 1,056 66 2,272 91 1,371 66	\$9,469 25 918 75 500 00 2,163 62 1,650 00 	\$5,244 72 1,076 11 100 00 49 05 779 58 971 35 492 19 127 00 1,056 66 1,072 91 257 41	\$4,101 37 918 75 500 00 1,087 50 1,650 00 400 00 1,288 44 1,000 00 1,192 50 1,991 61 1,332 50 1,200 00 1,114 25 1,275 00	\$18,815 34 1,837 50 1,000 00 4,327 23 3,300 00 1,000 00 2,675 00 3,559 17 1,942 70 984 37 1,333 32 2,325 00 3,983 24 3,117 00 2,113 33 4,545 83 2,550 00
DePauw East Chicago Elkhart Elwood	25 524 377 69	27 11 8	945 00 3,268 70 1,506 00 1,381 12	945 00 3,932 55 2,017 00 1,501 88	2,905 70 642 00	945 00 363 00 864 00 1,320 75	7,201 25 3,523 00

^{*} Used as practice-teaching centers for the teacher-training courses in agriculture at Purdue University.

TABLE 2. VOCATIONAL SCHOOLS, 1920-21-Continued

					1		
Location	No. of Pupils	No. of Teachers	Reim- bursement	Local Funds	State Funds	Federal Funds	Total cost for salaries
Evenoville	1,388	30	\$7,156 87	\$9,405 50	\$4.513 27	@0 E49 E0	010 E00 07
Evansville	20	1	371 25	371 25	34,013 27	\$2,643 60 371 25	\$16,562 37 742 50
Flora	10	î	875 00	875 00		875 00	1,750 00
Forest	17	1	1.036 66	1.036.67	1,036 66		2.073 33
Forest. Fort Wayne. Frankfort. Garrett.	1,414	43	11,937 27	13,748 40	10,653 27	1,284 00	25,685 67
Frankfort	33	1		1,200 00		1,200 00	2.400 00
Garrett	17	1	1,145 83	1,145 84	1,145 83		2,291 67
Gary	4,280	57	11,551 91	13,792 90	9,390 55	2,161 36	25,344 81
Goshen	52	3	2,005 69	2,005 71	2,005 69	1 001 05	4,011 40
Gosport Greenfield Greensburg	25 29	1	1,031 25 1,050 00	1,031 25		1,031 25	2,062 50
Creenleid	59 59	2	$1,050 00 \\ 2,050 00$	1,050 00 2,050 00	1,000 00	1,050 00 1,050 00	2,100 00 4,100 00
Hammond	1,065	. 17	6,776 95	8,066 95	6,377 95	1,050 00 399 00	4,100 00 14,843 90
Hanover	50	2	1,927 11	1,927 12	1,927 11	000 00	3,854 23
Hillsboro	12	1	1,000 00	1,000 00		1,000 00	2,000 00
Hillsboro Huntington Indianapolis Jackson Twp., Tippecanoe Co.	541	14	2,458 53	2,652 80	2,108 28	350-25	5,111 33
Indianapolis	3,205	132	36,728 77	40,560 68	29,038 15	7,690 62	77,289 45
Jackson Twp., Tippecanoe Co	25	2	1,173 00	1,173 00	1,173 00		2,346 00
	20	1	931 50	931 50		931 50	1,863_00
Kokomo. Lake (Richland)	678	24	3,587 50	3,850 75	2,978 25	609 25	7,438 25
Lake (Richland)	29 30	1	1,025 00	1,025 00 281 25		1,025 00	2,050 00
Lawrencepurg	499	$\frac{1}{26}$	168 75 3,527 95		56 25 2 257 05	112 50 270 00	450 00
Logansport Loggootee Manilla Marion	21	1	1,200 00	3,626 60 1,200 00	3,257 95	270 00 1,200 00	7,154 55 2,400 00
Manilla	17	1	1,181 25	1,200 00 1,181 25	1,181 25		2,362 50
Marion	302	9	2,994 99	2,995 01	1,653 99	1,341 00	5,990 00
Matthews	1 7	1	800 00	800 00		800 00	1,600 00
Mauckport	12	1	962 50	962 50		962 50	1,925 00
Metz	19	1	968 73	968 74	968 73		1,937 47
Mauckport Metz Michigan City Mishawaka	303	6	2,563 50	4,014 00	1,113 00	1,450 50	6,577 50
Mishawaka	75	8	1,737 75	1,737 75	1,636 75	101 00	3,475 50
Monticeno	01	2 2	1,974 99	1,975 01	837 49	1,137 50	3,950 00
Moores Hill.	42 28	1	1,739 58 1,200 00	1,739 58 1,200 00 1,037 50	375 00	1,364 58 1,200 00 1,037 50	3,479 16 2,400 00
Mooresville	30	1	1,037 50	1,037 50		1,200 00	2,400 00
Mt. Summit	21	1	1,200 00	1,200 00		1,200 00	2,400 00
Mt. Vernon	21	î	1.008.33	1,008 33		1,008 33	2,016 66
Muncie	1,664	29	6,410 65	6,696 68	5,769 65	641 00	13,107 33
New Salisbury	30	1	962 50	962 50		962 50	1,925 00
Muncie New Salisbury Owensville	30	1	1,210 00	1,210 00		1,210 00	2,420 00
Palmyra	18	1	1,050 00	1,050 00		1,050 00	2,100 00
Paragon Pendleton Peru Petersburg	20	1	833 33	833 34	829 19	4 14	1,666 67
Pendleton	57	2	2,166 66	2,166 67	991 66	1,175 00	4,333 33
Peru	83 48	5 2	214 50 650 00	315 50 650 00	172 50 650 00	42 00	530 00 1,300 00
Plainville	17	1	1,025 00	1,025 00	1,025 00		2,050 00
Plymouth	47	2	825 00	825 00	825 00		1,650 00
Reelsville	10	ĩ	611 10	611 12		611 10	1,222 22
Plymouth Reelsville Richmond Romney	750	. 29	5,007 90	5,487 61	2,607 21	2,400 69	10,495 51
Romney	16	1	854 13	854 13	854 13		1,708 26
ROSSVIIIE	9	1	916 66	916 67	916 66		1.833 33
Scottsburg Seymour Shelbyville South Bend	29	1	1,175 00	1,175 00	1,175 00 1,025 00		2,350 00 2,050 00
Seymour	37 27	1	1,025 00	1 1 025 00	1,025 00		2,050 00
Sneibyville	2,000	1 68	1,150 00 15,167 91	1,150 00 18,785 13	1,150 00 12,720 91	2,447 00	2,300 00 33,953 04
Spanger	51	2	1,612 50	1,612 50	1,612 50	2,447 00	3,225 00
Spencer	20	1	125 00	125 00	125 00		250 00
Star City Stockwell Summitville.	17	1	950 00	950 00	950 00		1,900 00
Summitville	24	î	1,175 00	1,175 00	1,175 00		2,350 00
Terre Haute	1,909	$4\overline{6}$	18,122 31	19.238 00	16,790 51	1,331 80	37,360 31
Terre Haute	16	1	1,000 00	1,000 00		1,000 00	2,000 00
VeedersburgVevay	90	2	1,821 87	1,821 87	1,821 87		3,643 74
Vevay	24	1	1,050 00	1,050 00	1,050 00		2,100 00 7,519 07
Vincennes	269	11	3,377 03	4,142 04	3,361 03	16 00	7,519 07
Wabash	176	9	1,292 00 1,883 33	1,47058 $1,88333$	1,260 00 1,883 33	32 00	2,762 58 3,766 66
Warsaw	85 24	2	916 66	1,883 33 916 67	1,883 33 916 66		3,766 66 1,833 33
Wayne Twn Tippegange Co	18	1	675 00	675 00	675 00		1,350 00
Waterloo Wayne Twp., Tippecanoe Co W. Lafayette*	10	1	010 00	010 00	010 00		2,000 00
W. Lebanon	12	î	916 66	916 67	916 66		1,833 33
White River Two., Randolph Co.,	17	î	833 33	833 33	833 33		1,666 66
Whiting	224	9	681 88	681 89	396 88	285 00	1,363 77
Whiting	37	2	1,056 66	1,056 67	1,056 66		2.113 33
Worthington	50	2	1,650 00	1,650 00	1,650 00		3,300 00
_	00 50	770	0000 000 00	6001 100 17	0100 110 01	070 047 07	
Totals	23,766	779	\$239,696 86	\$261,466 47	\$166,449 81	\$73,247 05	\$501,163 33

^{*}Used as practice-teaching centers for the teacher-training courses in agriculture at Purdue University.

TABLE 3. VOCATIONAL SCHOOLS, 1920-21, SUMMARY

	No. of Cities	No. of Pupils	No. of Teachers	Reimburse- ment	Local Funds	State Funds	Federal	Total Cost for Salaries
griculture. Jone economics. adustry	70 47 28	1,530 9,475 12,761	70 265 444	\$65,949 86 48,242 96 125,504 04	\$65,949 98 49,776 41 145,740 08	\$26,510 23 41,481 48 98,458 10	\$39,439 63 6,761 48 27,045 94	\$131,899 84 98,019 37 271,244 12
	*98	23,766	622	\$239,696 86	779 \$239,696 86 \$261,466 47 \$166,449 81	\$166,449 81	\$73,247 05	\$501,163 33

*Different cities.

AGRICULTURE SCHOOLS, 1920-21

Evidence that the four-year high school course in vocational agriculture is becoming established as a permanent and important part of the program of education in the public schools of Indiana is found in the fact that the number of schools maintaining vocational courses in agriculture has uniformly increased from year to year. The first year there were seven schools that maintained vocational agriculture instruction. The next year there were fifteen, the next thirty-two, the next forty-five, the next thirty-four (reduced on account of shortage of teachers due to military service), the next fifty-two, and the last year there were seventy.

Further indication of the permanent development of these courses is seen in the increased demand for them that comes unsolicited. Every year the demand greatly exceeds the number of available qualified teachers. Men of high grade are being attracted to the work and it is hoped that a sufficient number to meet the demand will be supplied by the training schools in the near future.

Vocational teachers must be constant students of the many problems that confront them. For the assistance of these teachers in the study of their problems, state and district conferences are held under the direction of the state supervisor. During the year seven district and two state conferences were conducted. The district conferences were held at points convenient for a group of from eight to twelve teachers. One state conference was held in connection with the State Teachers' Meeting at Indianapolis, and one at Purdue University from June 13 to 18, inclusive.

Under the general direction of the state supervisor the vocational teachers issued monthly from September to June, inclusive, a vocational digest or news-letter. The consensus of opinion among the teachers is that each received highly valuable assistance from the suggestions and the information contained in the several numbers of the digest.

During the year evening classes meeting from six to ten weeks and from two to four hours per week, with a total enrollment of 125, were conducted by the vocational teachers at Marion, Elwood, Moores Hill, and Gosport. The work consisted of laboratory exercises, round table discussions, and lectures on such special subjects as poultry, orcharding, dairy husbandry, and soil fertility.

Each of the vocational agriculture teachers in all-day schools conducts part-time work with boys over fourteen years of age who are not enrolled in all-day or full-time classes. The greater part of such work is done during the crop production period. The boys carry out projects in corn growing, swine production, poultry raising, potato growing, orchard management, cattle feeding and management. For the year ended June 30, 1921, a total of 778 boys in these part-time classes completed projects under the supervision of vocational teachers. The value of their products was \$72,437, and the net profit realized was \$30,703.

The following table gives further information regarding the seventy schools in the State conducting full-time or all-day classes in vocational agriculture for the year ended June 30, 1921.

TABLE 4. AGRICULTURE SCHOOLS, 1920-21

Location	No. of Pupils	No. of Teachers	Reimburse- ment	Local Funds	State Funds	Federal Funds	Total cost for Salaries
Angola	25	1	\$918 75	\$918 75		\$918 75	\$1,837 5
Auburn	27 18	1	$\begin{array}{c} 1,076 & 11 \\ 750 & 00 \end{array}$	1,076 12 750 00	\$1,076 11	750 00	2,152 2
Aurora Battle Ground* Brazil Brazin Bremen Brookston	12	î					1,500 0
Brazil	31 11	1	$\begin{bmatrix} 1,175 & 00 \\ 1,000 & 00 \end{bmatrix}$	1,175 00 1,000 00		1,175 00	2,350 0
Brookston	20	1	492 19	492 18	492 19	1,000 00	$2,000\ 0\ 984\ 3$
Chalmers	11 13	1	492 19 666 66	492 18 666 66	492 19		984 3
Clay City	26	1	1,162 50	1.162 50		666 66 1,162 50	1,333 3 2,325 0
Columbia City	31 26	1	1,108 32	1,108 34		1,108 32	2,216 6
Play City. Columbia City. Columbus. Cory. Cory. Corydon. Crawfordsville.	12	1	1,042 50 1,056 66	$1,042 50 \\ 1,056 67$	1,056 66	1,042 50	2,085 0 2,113 3
Corydon	18	1	1,200 00	1,200 00		1,200 00	2,400 0
Dayton*	49	1	960 00	960 00		960 00	1,920 0
Delphi	21	1	1,275 00	1,275 00		1,275 00	2,550 0
DePauw	25 20	1	945 00 1,200 00	945 00 1,200 00		945 00 1,200 00	$1,890 \ 0$ $2,400 \ 0$
DePauw Elwood.	10	î	875 00	875 00		875 00	1,750 0
Forest	17 33	1	1,036 66 1,200 00	1,036 67 1,200 00	1,036 66	1,200 00	2,073 3 2,400 0
Farrett	17	1	1,145 83	1,145 84	1,145 83		2,291 6
Josport Freenfield Freensburg	25 29	1	$1,031 25 \\ 1,050 00$	1,031 25 1,050 00		1,031 25 1,050 00	2,062 5
Freensburg.	39	1	1,050 00	1,050 00		1,050 00	2,100 0 2,100 0
HanoverHillsboro	27 12	1	947 11 1,000 00	947 12 1,000 00	947 11	1 000 00	1,894 2
ndianapolis	22	1	750 00	750 00		1,000 00 750 00	2,000 0 1,500 0
ndianapolis ackson Twp., Tippecanoe Co. Kingman	9	1	675 00	675 00	675 00		1,350 0
Aingman	23 29	1 1	931 50 1,025 00	931 50 1,025 00		931 50 1,025 00	1,863 0 2,050 0
ake. Loogootee Manilla	21	i	1,200 00	1,200 00		1,200 00	2,400 0
Manilla	17 31	1	1,181 25 1,200 00	1,181 25 1,200 00	1,181 25	1,200 00	2,362 5 2,400 0
Matthews.	7	1	800 00	800 00		800 00	1,600 0
Matthews	12 19	1	962 50 968 73	962 50	968 73	962 50	1,925 0
Metz. Monticello Moores Hill	33	1	1,137 50	968 74 1,137 50	900 10	1,137 50	1,9374 $2,2750$
Moores Hill	28 28	1	1,364 58 1,200 00	1,364 58		1,364 58	2,275 0 2,729 1
Mooresville	30	1	$1,200 00 \\ 1,037 50$	1,037 50		1,200 00 1,037 50	$2,400 \ 0$ $2,075 \ 0$
Mt. Summit	21	1	1,200 00	1,200 00		1,200 00	2,400 0
Mt. Vernon	21 30	1 1	1,008 33 962 50	1,008 33 962 50		1,008 33 962 50	2,016 6 1,925 0
)wensville	30	1	1,210 00	1,210 00		1,210 00	2,420 0
Palmyra	18 20	1	1,050 00 833 33	1,050 00 833 34	829 19	1,050 00 4 14	2,100 0 1,666 6
Pendleton.	29	Ĩ.	1,175 00	1,175 00		1,175 00	2,350 0
Reelsville	17 10	1 1	1,025 00 611 10	$1,025 00 \\ 611 12$	1,025 00	611 10	$\begin{array}{c} 2,050 & 0 \\ 1,222 & 2 \end{array}$
Reelsville Romney Rossville	16	î	854 13	854 13	854 13		1,708 2
cottsburg.	9 29	1	916 66 1,175 00	916 67 1,175 00	916 66 1,175 00		1,833 3 2,350 0
Seymour	37	1	1,025 00	1,025 00	1.025 00		2,050 0
helbyville pencer tockwell	27 34	1	1,150 00	1,150 00	1,150 00 1,162 50		2,300 0 2,325 0
Stockwell	17	1	$\begin{array}{c} 1,162 \ 50 \\ 950 \ 00 \end{array}$	950 00	950 00		1,900 0
Summitville	24	1	1,175 00	1,175 00	1,175 00	1,000 00	2,350 0
Inion Twp., Johnson Co Jeedersburg	16 26	1 1	1,000 00 921 87	1,000 00 921 87	921 87	1,000 00	2,000 0 1,843 7
evav	24	1	1,050 00	1,050 00	1,050 00		2,100 0
Varsaw	$\frac{45}{24}$	1 1	1,050 00 916 66	1,050 00 916 67	1,050 00 916 66		2,100 0 1,833 3
Waterloo Wayne Twp. Tippecanoe Co. W. Lafayette*	18	î	675 00	675 00	675 00		1,350 0
W. Lafayette* W. Lebanon	10 12	1 1	916 66	916 67	916 66		1,833 3
White River Twp., Randolph							
Co	17 10	1	833 33 125 00	833 33 125 00	833 33 125 00		1,666 6 250 0
3741 ' 4	16	1	687 50	687 50	687 50		1,375 0
Worthington	10	_					

^{*}Used as practice-teaching centers for the teacher-training courses in agriculture at Purdue University.

HOME ECONOMICS SCHOOLS, 1920-21

During the year 1920-21 the greatest growth in vocational home economics in Indiana was in the full-time schools. As indicated in the table below, the number of full-time schools meeting the standards of the Federal and State Boards for Vocational Education shows an increase of 37 per cent, with a gain in enrolment of 50 per cent.

In the evening schools in the State there was a gain in enrolment of 835 although the number of cities maintaining evening courses in home economics dropped from twenty-eight in 1919-20 to twenty-five in 1920-21.

In 1920-21 one city maintained part-time courses in home economics for housewives, for which reimbursement was granted from State funds.

TABLE 5. HOME ECONOMICS SCHOOLS, 1919-20 and 1920-21

19			

	No. of	No. of	No. of	Amt. of
	Cities	Pupils	Teachers	Reimbursement
Full-time Evening Total	24	740	34	\$20,778 73
	28	6,795	166	15,598 81
	*41	7,535	200	\$36,377 54

1920-1921

	No. of Cities	No. of Pupils	No. of Teachers	Amt. of Reimbursement
Full-time Part-time Evening Supervision	1 25	1,165 680 7,630	47 19 199	\$28,509 04 2,299 87 15,358 90 2,075 15
Total	*47	9,475	265	\$48,242 96

^{*}Different cities.

For each year, 1919-20 and 1920-21, home economics for employed girls 14-16 years of age was taught in all general continuation schools for girls, the number of schools in 1920-21 being twenty-two. Reimbursement each year was made from the Industrial funds.

As in the past, teacher-training conferences were held. These included five regional meetings of two days each and a State conference held the last two weeks in June which was attended by all home economic teachers in full-time schools.

 TABLE 6. HOME ECONOMICS SCHOOLS IN FULL-TIME, PART-TIME, OR EVENING

 CLASSES, 1920-21.

Location	No. of Pupils	No. of Teachers	Reimburse- ment	Local Funds	State Funds	Federal Funds	Total cost for Salaries
Anderson	692	15	1 644 95	1 644 05		1 044 05	0.000.00
Attica	14	10	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$1,644 25 \\ 500 00$		1,644 25	3,288 50
Auburn	50	2	1,087 50			500 00 1,087 50	1,000 00 2,175 00
Aurora	36	ī	900 00	900 00		900 00	1,800 00
Bedford	61	$\hat{2}$	200 00	200 00		200 00	400 00
Brazil	15	1	162 49	162 51	49 05	113 44	325 00
Bremen	24	1	779 58	779 59	779 58		1,559 17
Brookston	16	1	479 16	479 17	479 16		958 33
Columbia City	31	1	883 29	883 29		883 29	1,766 58
Columbus	25	$\frac{2}{2}$	36 00	36 00	1 070 01	36 00	72 00
Crawfordsville	46	1	$1,07291 \\ 3675$	$1,07292 \\ 3675$	1,072 91	36 75	2,145 83
East Chicago	43	i	94 00	94 00		94 00	73 50 188 00
Elkhart	166	3	180 00	180 00		180 00	360 00
Evansville	478	8	1,057 60	1.057 60	1,057 60		2,115 20
Fairmount	20	1	371 25	371 25		371 25	742 50
Fort Wayne	427	12	3,014 99	3,015 01	2,299 99		6,030 00
Gary	1,324	27	3,730 96	3,730 95	3,730 96		7,461 91
Goshen.	52	3	2,005 69	2,005 71			4,011 40
Greensburg	20 90	$\frac{1}{2}$	1,000 00	1,000 00			2,000 00
Hammond	23	1	195 00 980 00	195 00 980 00	195 00 980 00		390 00
Huntington	284	7	1,273 16	$1.273 \ 17$	1,273 16		1,960 00 2,546 33
Indianapolis	1,699	62	6,065 37	7.598 63	6,065 37		13,664 00
Jackson Twp. Tippecanoe Co.	16	1	498 00	498 00	498 00		996 00
Kokomo	196	3	199 50	199 50	199 50		399 00
Logansport	271	11	1,481 67	1,481 68	1,481 67		2,963 35
Marion	140	4	283 50	283 50	283 50		567 00
Mishawaka	29 28	3	142 50	142 50	142 50		285 00
Monticello	14	1	837 49 375 00	837 51 375 00	837 49 375 00		1,675 00
Muncie.	-834	11	1,420 00	1,420 00	1,420 00		750 00 2.840 00
Pendleton	28	î	991 66	991 67			1,983 33
Petersburg	17	î	300 00	300 00	300 00		600 00
Plymouth	47	2	825 00	825 00			1,650 00
Richmond	283	9	303 44	303 44			606 88
South Bend	595	22	1,721 60	1,721 62	1,721 60		3,443 22
Spencer	17	1	450 00	450 00			900 00
Star City Terre Haute	20 736	1 10	125 00	125 00	125 00		250 00
Veedersburg	24	$\begin{array}{c c} 19 \\ 1 \end{array}$	5,418 24 900 00	5,418 26 900 00	5,418 24 900 00		10,836 50 1,800 00
Vincennes	160	5	311 25	311 25	311 25		622 50
Wabash	104	3	928 16	928 17			1,856 33
Warsaw	40	ĭ	833 33	833 33	833 33		1,666 66
Whiting	149	4	253 51	253 51			507 02
Winamac	27	1	931 66	931 67	931 66		1,863 33
Worthington	34	. 1	962 50	962 50	962 50		1,925 00
Total	9,475	265	\$48,242 96	\$49,776 41	\$41,481 48	\$6,761 48	\$98,019 37
10041	0,110	200	\$20,212 90	920,110 91	\$11, TO1 40	99,101 40	900,010 01

TABLE 7. FULL-TIME SCHOOLS IN HOME ECONOMICS, 1920-21.

Location		No. of Teachers	Reimburse- ment	Local Funds	State Funds	Federal Funds	Total cost for Salaries
Anderson	24		\$850 00			\$850 00	
Attica	14	1	500 00	500 00		500 00	1,000 00
Auburn	50	2	1.087 50	1,087 50		1,087 50	2,175 00
Aurora	36		900 00			900 00	1.800 00
Brazil	15		162 49				
Bremen	24	î	779 58	779 59		110 11	1.559 17
Brookston	16	1 1	479 16				958 33
Columbia City	31	1	883 29		110 10	883 29	
Continuita City		1		1.072 92		000 20	2.145 83
Corydon	25	2	1,072 91				
Evansville	27	1	400 00	400 00			800 00
Fairmount	20	1	371 25				
Fort Wayne	46	3	2,299 99	2,300 01			4,600 00
Gary	128	2	1,227 35	1,227 35	1,227 35		2,454 70

TABLE 7. FULL-TIME SCHOOLS IN HOME ECONOMICS, 1920-21—Continued

Location		No. of Teachers	Reimburse- ment	Local Funds	State Funds	Federal Funds	Total cost for Salaries
Goshen. Greensburg. Hanover. Huntington Jackson Twp. Tippecanoe Co. Logansport. Monticello. Moores Hill. Pendleton. Petersburg. Plymouth South Bend. Spencer. Star City. Terre Haute Veedersburg. Wabash. Warsaw Warsaw Winamac.	400 200 233 388 166 577 288 144 288 117 29 211 117 200 183 244 333 244 339 247	22 11 11 11 11 11 11 11 11 11 11 11 11 1	\$1,975 70 1,000 00 980 00 916 66 498 00 1,047 61 837 49 375 00 991 66 300 00 250 00 450 00 125 00 2,456 25 900 00 854 16 833 33 931 66	\$1,975 76 1,000 06 980 06 916 66 498 06 1,047 65 375 06 991 67 300 06 810 06 250 06 450 06 2,456 22 900 06 854 11 833 33 931 67	1,000 00 980 00 916 66 498 00 2 1,047 61 837 49 0 375 00 0 300 00 810 00 0 250 00 0 250 00 0 250 00 0 256 00 0 300 00 810 00 0 256 00 0 256 00 0 300 00 810 00 0 256 00 0 300 00 810 00 0 256 00 0 300 00 830		\$3,951 40 2,000 00 1,980 00 1,833 33 996 00 2,995 23 1,675 00 750 00 1,883 33 600 00 1,620 00 900 00 250 00 4,912 50 1,800 03 1,666 66
Worthington	1,165	47	962 50 \$28,509 04	962 50 \$28,509 18		\$4,705 98	\$57,018 22

TABLE 8. PART-TIME SCHOOLS IN HOME ECONOMICS, 1920-21.

Location		No. of Teachers	Reimburse- ment	Local Funds	State Funds	Federal Funds	Total cost for Salaries
Indianapolis	680	19	\$2,299 87	\$3,833 13	\$2,299 87		\$6,133 00

TABLE 9. EVENING SCHOOLS IN HOME ECONOMICS, 1920-21.

					1		
	No. of	No. of	Reimburse-	Local	State	Federal	Total cost
Location	Pupils	Teachers	ment	Funds	Funds	Funds	for Salaries
Anderson	668	13	\$793 75	@702 75		\$793 75	\$1,587 50
Bedford	61	2	200 00			200 00	400 00
Columbus	30	2	36 00			36 00	72 00
Crawfordsville	46	ĩ	36 75	36 75		36 75	
East Chicago	43	î	94 00				
Elkhart	166	3	180 00	180 00		180 00	360 00
Evansville	451	7	552 60	552 60	\$552 60	,	1,105 20
Fort Wayne	381	9	715 00			715 00	1,430 00
Gary	1,196	25	2,503 61	2,503 60	2,503 61		5,007 21
Goshen	12	1	29 99	30 01			60 00
Hammond	90	2	195 00	195 00			390 00
Huntington	246	6	356 50	356 50			713 00
Indianapolis	1,019	43	3,765 50	3,765 50			7,531 00
Kokomo	196	3	199 50	199 50			399 00
Logansport	214	8	270 00	270 00			540 00
Marion	140 29	4 3	283 50 142 50	283 50 142 50			567 00 285 00
Muncie	834	11	1,337 50	1,337 50			2.675 00
Plymouth	18	11	15 00	15 00			30 00
Richmond	283	9	303 44	303 44			606 88
South Bend.	574	21	. 610 50	610 50			1,221 00
Terre Haute	553	13	2.099 50	2,099 50			4,199 00
Vincennes	160	5	311 25	311 25			622 50
Wabash	71	2	74 00	74 00			148 00
Whiting	149	4	253 51	253 51	253 51		507 02
Total	7,630	199	\$15 259 OO	\$15,358 91	\$13,303 40	\$2,055 50	\$30,717 81
10041	7,030	199	\$10,000 9U	φ10,000 91	φ10,505 40	φ2,000 00	φου, /1/ δ1

TABLE 10. LOCAL SUPERVISION OF HOME ECONOMICS SCHOOLS, 1920-21.

Location	No. of	Reimburse-	Local	State	Federal	Total cost
	Supervisors	ment	Funds	Funds	Funds	for Salaries
Evansville Logansport Muncie. South Bend. Terre Haute Total	1 1 2 2 1	\$105 00 164 06 82 50 861 10 862 49 \$2,075 15	\$105 00 164 06 82 50 861 12 862 51 \$2,075 19	164 06 82 50 861 10 862 49		\$210 00 328 12 165 00 1,722 22 1,725 00 \$4,150 34

INDUSTRY SCHOOLS, 1920-21

FULL-TIME SCHOOLS

Full-time or all-day trade schools were in operation in seventeen cities offering courses in the following trades:

Auto-mechanics	Forge practice
Cabinet-making	Founding
Carpentry	Machine shop practice
Drafting	Pattern-making
Electricity	Printing

The plan of the full-time school provides for a thirty-hour week. One-half of this time is devoted to practical shop work on a useful or productive basis.

All schools are encouraged to keep closely in touch with local industries. Blue prints and material furnished from local plants are often used in the shop work of pupils.

Complete machines for school use are produced wherever possible, the school shops and drafting room being used for the five steps of production, namely, designing, drafting, pattern-making, casting and machining.

PART-TIME SCHOOLS

Five cities established part-time general continuation schools for the first time in 1920-21, with compulsory attendance for the ages 14 to 16. In part-time schools in operation in sixteen cities during both the years 1919-20 and 1920-21 the attendance increased from 2,952 to 4,762. Three cities added commercial extension courses to their list of part-time courses. In these commercial courses, the store and office work of pupils was carefully supervised by the instructors. Twenty-two cities now have part-time schools with compulsory attendance for the ages 14 to 16. One other city has part-time schools without compulsory attendance.

In addition to the usual general subjects such as civics, English, arithmetic, hygiene and safety, the following trade extension subjects were taught in part-time schools:

- (a) Machine shop practice—Offered to boys who planned to be machine workers.
- Printing-Offered to apprentices in the printing trade and credited hour for hour on a printing apprenticeship course recognized by the unions.
- Salesmanship-Offered to store workers who are employed about one-half time in retail stores.
- Typewriting-Offered to workers who felt that it was the training necessary for promotion.
 - Woodworking—Offered to boys in cabinet-making trades.

EVENING SCHOOLS

Twenty-four cities offered evening trade extension courses in the following subjects:

> Autogenous welding Auto mechanics Blue print reading Drafting

- (a) Architectural
- Machine (b)
- Sheet metal (c)
- Stone (d)

Electricity Forging Industrial chemistry Machine design Machine shop practice

Telegraphy

Evening trade extension courses are intended to supplement the daily occupation of the worker. For instance, machine operators often

find that a short unit course in blue print reading is helpful as are also classes in mathematics applied to shop problems. It is sometimes difficult to secure satisfactory instructors for trade extension courses in evening schools. One practical solution of the problem is to select men directly from the local industries. Many highly trained industrial foremen and executives are performing this teaching service at a wage-rate much lower than what they receive in industry.

The best evening schools are conducted in cities where the industry and the school are working in close co-operation.

CONFERENCES

As in former years, teacher-training conferences were held. These included four regional meetings of two days each for a discussion of problems connected with teaching in industrial schools.

TABLE 11. INDUSTRY SCHOOLS IN FULL-TIME, PART-TIME, OR EVENING CLASSES, 1920-21

Location		No. of Teachers	Reimburse- ment	Local Funds	State Funds	Federal Funds	Total cost for Salaries
Anderson Bedford Columbus Crawfordsville East Chicago Elkhart Elwood Evansville Ft. Wayne Gary Hammond Huntington Indianapolis Kokomo Lawrenceburg Logansport Marion Michigan City Mishawaka Muncie. Peru Petersburg Richmond South Bend Terre Haute Vincennes Wabash Whiting	685 133 102 61 481 211 499 901 905 257 257 1,484 482 30 30 30 2288 83 31 1,405 1,173		\$7,701 84 300 00 381 00 374 91 3,174 70 1,326 00 181 12 6,099 27 8,922 28 7,820 95 6,581 95 1,185 37 29,913 40 3,388 00 168 75 2,046 28 1,511 49 2,563 50 1,595 25 2,14 50 3,50 00 4,704 46 13,446 31 12,704 07 3,065 78 363 84 428 37	300 00 442 42 3,838 55 1,837 00 301 88 8,347 90 10,733 39 10,061 95 7,871 95 2,144 92 1,511 51 4,014 92 1,515 52 5,276 68 315 50 350 00 5,184 17 17,063 51 13,819 74	\$5,244 72 100 00 127 00 257 41 2,905 70 642 00 60 37 3,455 67 8,353 28 5,659 59 6,182 95 835 12 22,972 78 2,778 75 1,776 28 1,370 49 1,113 00 1,494 25 4,349 25 4,349 25 1,72 50 3,50 37 10,999 31 11,1372 27 3,049 78 331 84 143 37	\$2,457 12 200 00 254 00 117 50 269 00 684 00 120 75 2,643 60 569 00 2,161 36 399 00 350 25 6,940 62 609 25 112 50 120 70 00 141 00 42 00 2,400 69 2,447 00 1,331 80 32 00 32 00 32 00	600 00 960 00 817 33 7,013 25 3,163 00 483 00 14,447 17 19,655 67 17,882 90 2,565 00 14,453 90 2,565 00 4,191 20 3,023 00 4,191 20 3,023 00 10,267 35 10,267 35 30,509 82 26,523 81
Total	12,761	444	\$125,504 04	\$145,740 08	\$98,458 10	\$27,045 94	\$271,244 12

TABLE 12. FULL-TIME SCHOOLS IN INDUSTRY, 1920-21

Location		No. of Teachers	Reimburse- ment	Local Funds	State Funds	Federal Funds	Total cost for Salaries
		-					
Anderson	154		\$5,760 91			\$2,000 00	
East Chicago	45		425 00				
Evansville	16		364 00				
Fort Wayne	67		4,101 69	4,101 73	4,101 69		8,203 42
Gary	114		2,363 76	2,363 76			4,727 52
Indianapolis	306	26	17,436 25	17,436 25	15,436 25	2,000 00	34,872 50
Kokomo	53	5	1,275 00	1,275 00	1,275 00		2,550 00
Logansport		1	500 85	500 85	500 85		1,001 70
Marion	24	1	199 99	200 01	199 99		400 00
Michigan City	16		387 75	387 75	387 75		
Mishawaka	26	3	1,443 75	1,443 75	1,433 75		2,887 50
Muncie	93	3	2.754 16	2,754 17	2,754 16		5,508 33
Petersburg	31	1	350 00	350 00			700 00
Richmond		7	2,567 00	2,567 00	567 00	2,000 00	5,134 00
South Bend		9	5,606 07		5,606 07		11,212 15
Terre Haute	201	12	8,948 60	8,948 60	8,237 80	710 80	17,897 20
Vincennes	19	1	694 28				1,388 57
Total	1,431	91	\$55,179 06	\$55,179 17	\$48,468 26	\$6,710 80	\$110,358 23

TABLE 13. PART-TIME SCHOOLS IN INDUSTRY, 1920-21

Location		No. of Teachers	Reimburse- ment	Local Funds	State Funds	Federal Funds	Total cost for Salaries
Anderson Columbus Crawfordsville Bast Chicago Elkhart Elwood Evansville* Fort Wayne Gary. Hammond** Huntington Indianapolis Kokomo. Lawrenceburg Logansport. Michigan City Muncie Peru Richmond South Bend Terre Haute Vincennes Wabash	555 522 266 2344 1007 499 5599 9469 7779 1100 1744 999 300 48 287 933 411 309 986 5411 805	6 3 2 17 2 7 10 16 8 8 8 3 4 6 1 6 4 5 2 6 6 6 3 3 4 6 6 6 6 6 7 6 6 6 6 7 6 7 6 6 6 6 7 6 7 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 7 7 7 7 8 7 8	\$184 68 297 00 101 25 995 70 766 50 181 12 3,791 90 2,716 59 2,115 54 4,959 10 291 37 3,447 93 3,447 93 147 93 2,175 75 147 93 2,175 75 429 00 151 50 344 50 5,425 74 1,260 97 1,147 50 201 09	3,626 25 715 00 252 50 574 19 9,042 93	99 00 33 75 995 70 255 50 60 37 1,543 30 2,716 59 705 18 4,959 10 130 63 156 25 147 93 725 25 429 00 151 50 74 81 3,425 74 1,260 97 1,147 50	198 00 67 50 511 00 120 75 2,248 60 1,410 36 194 25 2,298 62 264 25 112 50 1,450 50	792 00 270 00 2,655 25 2,044 00 9,832 42 7,244 25 5,641 44 11,208 20 777 00 9,194 50 1,053 00 394 50 5,802 00 1,144 00 9118 69
Total	5,748	155	\$31,696 29			\$11,269 14	\$82,228 28

^{*\$419.00} of this amount is reimbursement for part-time trade work and was reimbursed on a 50% basis. All other cities reimbursed on a $37\frac{1}{2}\%$ basis. **\$3,024.14 of this amount is reimbursement for part-time trade work. See note above.

TABLE 14. EVENING SCHOOLS IN INDUSTRY, 1920-21.

Location Anderson Bedford Columbus Crawfordsville East Chicago Elkhart	476 133 50 35 202 104	13 3 2 2 6 5	\$506 25 300 00 84 00 75 00 404 00 259 50	Local Funds \$506 25 300 00 84 00 75 00 404 00 259 50	\$172 25 100 00 28 00 135 00 86 50	50 00 269 00 173 00	600 00 168 00 150 00 808 00 519 00
Evansville Fort Wayne Gary. Hammond Huntington Indianapolis Kokomo Logansport Marion. Mishawaka Muncie. Peru Richmond South Bend	374 321 378 196 147 1,004 330 159 107 20 644 42 98	6	593 37 854 00 1,127 32 598 50 234 00 3,963 75 518 12 310 00 211 50 962 49 63 00 196 50 671 25	593 38 854 00 1,127 34 598 50 234 00 3,963 75 518 13 310 00 211 50 962 51 63 00 196 50 671 25	198 37 285 00 376 32 199 50 78 00 1,321 75 173 12 40 00 70 50 50 50 321 49 21 00 65 50 224 25	399 00 156 00 2,642 00 345 00 270 00 141 00 101 00 641 00 42 00	1,708 00 2,254 66 1,197 00 468 00 7,927 50 1,036 25 620 00 423 00 303 00 1,925 00
Terre Haute Vincennes Wabash Whiting	431 10 17 75	7 1 1 5	932 00 24 00 48 00 428 37	932 00 24 00 48 00 428 38	311 00 ,8 00 16 00 143 37	621 00	1,864 00 48 00 96 00
Total	5,587	160	\$13,516 42	\$13,516 49	\$4,450 42	\$9,066 00	\$27,032 91

TABLE 15. LOCAL SUPERVISION OF INDUSTRY SCHOOLS, 1920-21.

Location	No. of Supervisors	Reimburse- ment	Local Funds	State Funds	Federal Funds	Total cost for Salaries
Anderson Crawfordsville. East Chicago Elkhart Evansville. Fort Wayne. Gary. Hammond. Huntington	1 1 1 1 1 1 11 11	\$1,250 00 198 66 1,350 00 300 00 1,350 00 1,250 00 2,214 33 1,024 35 660 00 5,065 47	198 67 1,350 00 300 00 1,350 00 1,250 00 3,044 95 1,024 35	198 66 1,350 00 300 00 1,350 00 1,250 00 2,214 33 1,024 35 660 00		\$2,500 00 397 33 2,700 00 600 00 2,700 00 2,500 00 5,259 28 2,048 70 1,320 00 10,130 95
Kokomo. Logansport. Marion. Muncie Richmond. South Bend. Perre Haute. Vincennes.	1 1 1 2 4 2	1,200 00 1,087 50 1,100 00 845 00 1,596 46 1,743 25 1,562 50 1,200 00	1,200 00 1,087 50 1,100 00 845 00 1,846 48 1,743 25 1,837 50	1,200 00 1,087 50 1,100 00 845 00 1,596 46 1,743 25 1,562 50		2,400 00 2,175 00 2,200 00 1,690 00 3,442 9 3,486 50 3,400 00 2,400 00
Wabash	38	\$25,112 27	\$26,512 43			\$51,624 70

VOCATIONAL TRANSFER PUPILS, 1920-21

Persons residing in a school corporation which does not maintain an approved vocational course may be transferred to another school corporation which does maintain such a course. The trustee of the township in which the pupil resides is reimbursed for half of the tuition of such pupil. Tables 16 and 17 give detailed information on reimbursement, etc., for transfer pupils for 1920-21. Table 21 shows the rapid increase in number of transfer pupils, etc., since the year 1914-15. An increase of about 100 per cent each year during the last five years is shown in the number of transfer pupils and in the amount of reimbursement.

TABLE 16. VOCATIONAL TRANSFER PUPILS, 1920-21

Location of School attended by Transfer	Agriću	Agričulture Home Economics Industry		stry	Tot	al		
Pupils	Reim- bursement	No. of Pupils	Reim- bursement	No. of Pupils	Reim- bursement	No. of Pupils	Reim- bursement	No. of Pupils
Anderson Angola Attica Auburn Aurora Battle Ground Brazil Bremen Brookston Chalmers Charlestown Clay City Columbus Corydon Crawfordsville Delphi Elwood Fairmount Flora Ft. Wayne	\$909 85 	18 13 13 1 1 24 11 1 5 5 4 26 24 4 36 21 1 9	\$237 87 1,089 89 234 00 542 25 114 00 485 42 171 48 468 47 86 96	11 12 4 4 20 7	516 24	14	909 85 679 50 52 64 983 51 1,075 34 399 00 99 36 157 50 162 72 1,645 88 573 00 342 96 1,488 90 1,488 9	14 18 6 34 20 20 1 1 24 22 7 7 3 5 4 4 8 8 8 6 6 20 20 20 21 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Frankfort	1,057 17	31			1		1,057 17	31

TABLE 16. VOCATIONAL TRANSFER PUPILS, 1920-21—Continued

Location of School attended by Transfer	Agricu	ture	Home Ec	onomics	Indus	stry	Tot	al
Pupils	Reim- bursement	No. of Pupils	Reim- bursement	No. of Pupils	Reim- bursement	No. of Pupils	Reim- bursement	No. of Pupils
Forest Garrett Gosport Greenfield Greensburg Hanover Jackson Two	\$204 40 586 34 153 17 788 53 909 72 133 00	5 12 5 19 24 7	\$353 40 152 00	9 8			\$204 40 586 34 153 17 788 53 1,263 12 285 00	5 12 5 19 33 15
Tippecanoe Co Kingman Tippecanoe Co Kingman Lake (Luce Twp.) Logansport Logansport Logansport Logansport Manilla Marion Matthews Metz Monticello Moores Hill Mooresville Morristown Mt. Vernon Petersburg Plymouth Richmond Rossville Scottsburg Seymour Shelbyville Spencer Summitville Terre Haute Veedersburg Vevay Warsaw Waterloo. Wayne Twp.	202 50 86 00 	5 2 2 17 5 18 2 2 2 2 2 2 0 5 12 4 4 19 5 5 2 2 2 2 2 2 2 2 2 2 2 4 1 2 2 2 1 2 2 1 2 2 2 2	567 52 37 50 198 00 206 40 199 12 102 00 209 36 591 01 715 65	14 1 4 6 5 5	\$326 40 177 83		56 00 202 50 86 00 442 28 650 25 795 00 111 92 115 68 1,376 84 225 00 481 50 129 28 765 18 407 00 532 80 199 12 117 78 117 88 262 92 401 44 593 81 1,220 08 888 00 41 00 1,100 92 1,466 93 693 64 1,834 53 1,156 20	19 11 55 35 21 50
Tippecanoe Co. West Lafayette. West Lebanon. Winamac. Worthington.	58 08 156 44 220 95 484 17	· 2 4 4 · · · · · · · · · · · · · · · · · ·	585 00 366 60				58 08 156 44 220 95 585 00 850 77	4 4 17
Totals	\$26,535 05	622	\$8,093 72	222	\$2,536 86	86	\$37,165 63	970

TALBE 17. VOCATIONAL TRANSFER PUPILS, 1920-21—SUMMARY

	No. of No. of					
-	schools having transfer pupils	No. of transfer pupils therein	townships from which pupils are transferred	Reimbursement		
Agriculture	51 24 5	662 222 86	187 79 22	\$26,535 05 8,093 72 2,536 86		
Totals	63	970	243	\$37,165 63		

TEACHER-TRAINING COURSES, 1920-21

For teacher-training courses designed to prepare persons to teach vocational subjects in agriculture, home economics and industry, reimbursement is granted for a portion of the cost of maintaining such courses.

TABLE 18. TEACHER-TRAINING COURSES, 1920-21

					:
Institution and Type of Training	Reim- bursement	Institution Funds	State Funds (State Board)	Federal Funds	Total Cost of Maintenance
INDIANA STATE NORMAL SCHOOL—(Total). Industry Home Economics	\$3,673 77 2,441 27 1,232 50	\$3,220 41 1,987 91 1,232 50	\$226 69 226 69	\$3,447 08 2,214 58 1,232 50	\$6,894 18 4,429 18 2,465 00
INDIANA UNIVERSITY—(Total). Industry. Home Economics.	7,351 50 5,766 98 1,584 52	7,351 54 5,767 01 1,584 53		7,351 50 5,766 98 1,584 52	14,703 04 11,533 99 3,169 05
PURDUE UNIVERSITY—(Total) Agriculture. Industry. Home Economics.	$\begin{array}{c} 11,456 \ 90 \\ 7,386 \ 02 \\ 892 \ 14 \\ 3,178 \ 74 \end{array}$	11,546 93 7,386 03 892 14 3,178 76		$\begin{array}{c} 11,456 \ 90 \\ 7,386 \ 02 \\ 892 \ 14 \\ 3,178 \ 74 \end{array}$	22,913 83 14,772 05 1,784 28 6,357 50
SOUTH BEND BOARD OF EDUCATION (Total) Industry	173 37 173 37	132 79 132 79	20 29 20 29	153 08 153 08	306 16 306 16
Totals	\$22,655 54	\$22,161 67	\$246 98	\$22,408 56	\$44,817 21
Industry. Home Economics. Agriculture.	\$9,273 76 5,995 76 7,386 02	\$8,779.85 5,995.79 7,386.03	\$246 98	\$9,026 78 5,995 76 7,386 02	\$18,053 61 11,991 55 14,772 05

HISTORICAL TABLES

The following tables show receipts and expenditures, number of pupils, etc., for each year since the State law on vocational education was enacted in 1913.

TALBE 19. TOTAL RECEIPTS AND EXPENDITURES

Year ending Sept. 30		Receipts		Expen	Surplus	
Tear ending Sept. 30	State funds	Federal funds	Total	Amount	Per cent increase	ourpius
1913 1914 1915 1916 1917 1917 1918 1919 1920 1921	\$3,505 77 111,406 89 199,984 63 201,027 73 205,902 92 155,965 21 110,402 29 113,923 63 115,807 01	\$44,034 97 55,659 16 69,867 19 91,802 31	\$3,505 77 111,406 89 199,984 63 201,027 73 205,902 92 200,000 18 166,061 45 183,790 82 207,609 32	\$3,505 77 22,442 76 62,564 49 106,716 35 153,468 31 181,477 31 209,177 03 315,704 70 396,648 51	540 178 70 44 18 15 50 25	\$88,964 13 226,384 27 320,695 63 373,130 26 391,653 13 348,537 55 216,623 67 27,584 48

TABLE 20. REIMBURSEMENT FOR VOCATIONAL SCHOOLS

Year ending Sept. 30	Industry	Home economics	Agriculture	Total	Per cent increase
1915 1916 1917 1918 1919 1920 1921	\$11,602 55 26,239 09 39,065 23 57,999 93 61,137 89 107,209 99 125,504 04	\$11,563 20 15,859 03 32,053 31 24,336 69 19,998 89 36,377 54 48,242 96	\$1,729 98 7,032 89 14,022 47 25,740 22 27,073 62 49,781 56 65,949 86	\$24,895 73 49,131 01 85,141 01 108,076 84 108,210 40 193,369 09 239,696 86	98 73 27 .1 80 23

TABLE 21. VOCATIONAL TRANSFER PUPILS IN AGRICULTURE, HOME ECONOMICS AND INDUSTRY SCHOOLS.

-	Agriculture		Home Economics		Industry		Total					
Year Ending Sept. 30	No. Schools Having Transfer Pupils	No. Transfer Pupils Therein	Reimbursement	No. Schools Having Transfer Pupils	No. Transfer Pupils Therein	Reimbursement	No. Schools Having Transfer Pupils	No. Transfer Pupils Therein	Reimbursement	No. Schools Having Transfer Pupils	No. Transfer Pupils Therein	Reimbursement
1915 1916 1917 1918 1919 1920 1921	2 2 7 13 20 26 51	21 17 71 119 234 390 662	\$148 00 350 75 1,327 11 2,302 51 4,908 20 11,356 56 26,535 05	3 6 11 12 24	7 39 79 148 222	\$235 02 927 82 1,400 49 3,400 97 8,093 72	3.	11 17 38 55 59 86	\$313 06 690 28 962 22 1,096 28 990 41 2,536 86	2 3 11 16 26 33 62	21 28 95 196 368 597 970	\$148 00 663 81 *2,252 41 *4,192 55 *7,404 97 *15,747 94 *37,165 63

^{*}These amounts are properly chargeable against each of the years specified. They differ slightly from the amounts actually paid each year for the reason that a few small items, payable before October 1, were actually paid after October 1. The total amounts actually paid, beginning with 1917, were: \$2,066.78; \$4,000.43; \$7,441.48; \$15,878.16; \$37,376.55.

TABLE 22. EXPENDITURES FOR TEACHER-TRAINING, STATE OFFICE AND COUNTY AGENTS

Year ending Sept. 30	Teacher-training	State office	County Agents*
1913		\$3,505 77	
1914		10,428 70 13,660 48	\$12,014 06 23,860 28
1916		25,681 12	31.240 41
1917		33,193 66	33,066 86
1918	\$7,147 59 11.510 95	16,994 26	45,258 19
1919. 1920.	16,278 92	16,638 67 20,679 86	65,375 53 69,498 67
1921	22,655 54	18,533 60	78,385 86

^{*}Although the expenditures for county agents are administered by Purdue University, the amounts are given here because they are taken from the tax levy fixed in the law on vocational education.

VOCATIONAL REHABILITATION

(In the Division of Vocational Education)

Work in vocational rehabilitation was begun May 1, 1921, under the provisions of the State Vocational Rehabilitation Law approved March 11, 1921. This law extends the privileges of vocational education to disabled persons and provides for their return to profitable employment.

Vocational courses may be arranged for persons who have a physical disability which prevents them from following their regular employment. The disability may be congenital, or it may be acquired by disease, or by accident on farms, in mines, quarries, shops, factories, or otherwise. The following classes of persons are eligible for vocational rehabilitation:

(1) Persons who because of congenital disability have no regular occupation.

911 059 11

- (2) Persons who have been subjects of accidents which prevent their return to their former occupations.
- (3) Persons who by reason of disease are disabled to such an extent that they are no longer able to follow their regular occupations.

The applicant must also be of employable age and must give promise of being employable after he has completed a course of vocational training.

Vocational training courses are provided free of charge to such disabled persons. Training may be secured in schools, factories, shops, or by correspondence. All necessary tools, books, and supplies are furnished free.

Placement in suitable jobs and furnishing of special mechanical or prosthetic appliances for disabled persons are also provided for under the law.

The State Industrial Board very generously opened its files to the rehabilitation agents and made it possible to investigate the large number of industrial accidents which appear on our records.

TABLE 1. RECEIPTS AND EXPENDITURES

May 1, 1921, to September 30, 1921

RECEIPTS

(2) Federal funds, federal year ending June 30, 1921	(1) State funds	\$11,052	11
Total	(2) Federal funds, federal year ending June 30, 1921	22,104	22
(1) State office	(3) Federal funds, federal year ending June 30, 1922	21,577	39
(1) State office \$2,200 31 (a) Salary (supervisor) 1,250 00 (b) Travel 275 15 (c) Stenographer (½ time) 227 50 (d) Office supplies 337 18 (e) Office equipment 108 95 (f) Communication 153 (2) Tuition 698 68 (a) Educational institutions 283 37 (b) Industrial and commercial 255 71 (c) Correspondence 159 60 (3) Instructional supplies 93 11 Total 82,992 10 (a) State funds \$1,550 54 (b) Federal funds June 30, 1921, reverted to U. S. Treasury 21,577 39 Grand total \$24,569 49 Balance September 30, 1921 9,501 57 (b) Federal funds 9,501 57 (c) Federal funds 20,662 66	Total	\$54,733	72
(a) Salary (supervisor) 1,250 00 (b) Travel 275 15 (c) Stenographer (½ time) 227 50 (d) Office supplies 337 18 (e) Office equipment 108 95 (f) Communication 1 53 (2) Tuition 698 68 (a) Educational institutions 283 37 (b) Industrial and commercial 255 71 (c) Correspondence 159 60 (3) Instructional supplies 93 11 Total (a) State funds \$1,550 54 (b) Federal funds 1,441 56 Unexpended balance, federal funds June 30, 1921, reverted to U. S. Treasury 21,577 39 Grand total \$24,569 49 Balance September 30, 1921 30,164 23 (a) State funds 9,501 57 (b) Federal funds 20,662 66	EXPEDITURES		
(a) Salary (supervisor) 1,250 00 (b) Travel 275 15 (c) Stenographer (½ time) 227 50 (d) Office supplies 337 18 (e) Office equipment 108 95 (f) Communication 1 53 (2) Tuition 698 68 (a) Educational institutions 283 37 (b) Industrial and commercial 255 71 (c) Correspondence 159 60 (3) Instructional supplies 93 11 Total (a) State funds \$1,550 54 (b) Federal funds 1,441 56 Unexpended balance, federal funds June 30, 1921, reverted to U. S. Treasury 21,577 39 Grand total \$24,569 49 Balance September 30, 1921 30,164 23 (a) State funds 9,501 57 (b) Federal funds 20,662 66	(1) State office	\$2,200	31
(b) Travel 275 15 (c) Stenographer (½ time) 227 50 (d) Office supplies 337 18 (e) Office equipment 108 95 (f) Communication 1 53 (2) Tuition 698 68 (a) Educational institutions 283 37 (b) Industrial and commercial 255 71 (c) Correspondence 159 60 (3) Instructional supplies 93 11 Total 82,992 10 (a) State funds \$1,550 54 (b) Federal funds June 30, 1921, reverted to U. S. Treasury 21,577 39 Grand total \$24,569 49 Balance September 30, 1921 9,501 57 (b) Federal funds 9,501 57 (c) Stenographer (½ time) 227 50 Stenographer (½ time) 227 50 September 30, 1921 30,164 23 (a) State funds 9,501 57 (b) Federal funds 20,662 66		Ψ=,=00	01
(c) Stenographer (½ time) 227 50 (d) Office supplies 337 18 (e) Office equipment 108 95 (f) Communication 1 53 (2) Tuition 698 68 (a) Educational institutions 283 37 (b) Industrial and commercial 255 71 (c) Correspondence 159 60 (3) Instructional supplies 93 11 Total (a) State funds \$1,550 54 (b) Federal funds 1,441 56 Unexpended balance, federal funds June 30, 1921, reverted to U. S. Treasury 21,577 39 Grand total \$24,569 49 Balance September 30, 1921 30,164 23 (a) State funds 9,501 57 (b) Federal funds 20,662 66			
(d) Office supplies 337 18 (e) Office equipment 108 95 (f) Communication 1 53 (2) Tuition 698 68 (a) Educational institutions 283 37 (b) Industrial and commercial 255 71 (c) Correspondence 159 60 (3) Instructional supplies 93 11 Total \$2,992 10 (a) State funds \$1,441 56 Unexpended balance, federal funds June 30, 1921, reverted to U. S. Treasury 21,577 39 Grand total \$24,569 49 Balance September 30, 1921 30,164 23 (a) State funds 9,501 57 (b) Federal funds 20,662 66	···		
(e) Office equipment 108 95 (f) Communication 1 53 (2) Tuition 698 68 (a) Educational institutions 283 37 (b) Industrial and commercial 255 71 (c) Correspondence 159 60 (3) Instructional supplies 93 11 Total (a) State funds \$1,550 54 (b) Federal funds 1,441 56 Unexpended balance, federal funds June 30, 1921, reverted to U. S. Treasury 21,577 39 Grand total \$24,569 49 Balance September 30, 1921 30,164 23 (b) Federal funds 9,501 57 (b) Federal funds 20,662 66			
(f) Communication 1 53 (2) Tuition 698 68 (a) Educational institutions 283 37 (b) Industrial and commercial 255 71 (c) Correspondence 159 60 (3) Instructional supplies 93 11 Total \$2,992 10 (a) State funds \$1,550 54 (b) Federal funds 1,441 56 Unexpended balance, federal funds June 30, 1921, reverted to U. S. Treasury 21,577 39 Grand total \$24,569 49 Balance September 30, 1921 30,164 23 (a) State funds 9,501 57 (b) Federal funds 20,662 66			
(2) Tuition 698 68 (a) Educational institutions 283 37 (b) Industrial and commercial 255 71 (c) Correspondence 159 60 (3) Instructional supplies 93 11 Total (a) State funds \$1,550 54 (b) Federal funds 1,441 56 Unexpended balance, federal funds June 30, 1921, reverted to U. S. Treasury 21,577 39 Grand total \$24,569 49 Balance September 30, 1921 30,164 23 (a) State funds 9,501 57 (b) Federal funds 20,662 66			
(a) Educational institutions 283 37 (b) Industrial and commercial 255 71 (c) Correspondence 159 60 (3) Instructional supplies 93 11 Total \$2,992 10 (a) State funds \$1,550 54 (b) Federal funds 1,441 56 Unexpended balance, federal funds June 30, 1921, reverted to U. S. Treasury 21,577 39 Grand total \$24,569 49 Balance September 30, 1921 30,164 23 (a) State funds 9,501 57 (b) Federal funds 20,662 66	• •	698	68
(b) Industrial and commercial 255 71 (c) Correspondence 159 60 (3) Instructional supplies 93 11 Total \$2,992 10 (a) State funds \$1,550 54 (b) Federal funds 1,441 56 Unexpended balance, federal funds June 30, 1921, reverted to U. S. Treasury 21,577 39 Grand total \$24,569 49 Balance September 30, 1921 30,164 23 (a) State funds 9,501 57 (b) Federal funds 20,662 66	(-,	000	00
(c) Correspondence 159 60 (3) Instructional supplies 93 11 Total \$2,992 10 (a) State funds 1,441 56 Unexpended balance, federal funds June 30, 1921, reverted to U. S. Treasury 21,577 39 Grand total \$24,569 49 Balance September 30, 1921 30,164 23 (a) State funds 9,501 57 (b) Federal funds 20,662 66			
(3) Instructional supplies 93 11 Total \$2,992 10 (a) State funds \$1,550 54 (b) Federal funds 1,441 56 Unexpended balance, federal funds June 30, 1921, reverted to U. S. Treasury 21,577 39 Grand total \$24,569 49 Balance September 30, 1921 30,164 23 (a) State funds 9,501 57 (b) Federal funds 20,662 66	• • • • • • • • • • • • • • • • • • • •		
(a) State funds \$1,550 54 (b) Federal funds 1,441 56 Unexpended balance, federal funds June 30, 1921, reverted to U. S. Treasury 21,577 39 Grand total \$24,569 49 Balance September 30, 1921 30,164 23 (a) State funds 9,501 57 (b) Federal funds 20,662 66	• • • • • • • • • • • • • • • • • • • •	93	11
(a) State funds \$1,550 54 (b) Federal funds 1,441 56 Unexpended balance, federal funds June 30, 1921, reverted to U. S. Treasury 21,577 39 Grand total \$24,569 49 Balance September 30, 1921 30,164 23 (a) State funds 9,501 57 (b) Federal funds 20,662 66	m . 1		-
(b) Federal funds		\$2,992	10
Unexpended balance, federal funds June 30, 1921, reverted to U. S. Treasury 21,577 39 \$24,569 49 \$24,569 49 \$30,164 23 \$30,164 23 \$20,662 66 \$20,			
Grand total \$24,569 49 Balance September 30, 1921 30,164 23 (a) State funds 9,501 57 (b) Federal funds 20,662 66		04	00
Balance September 30, 1921 30,164 23 (a) State funds 9,501 57 (b) Federal funds 20,662 66	Unexpended balance, federal funds June 30, 1921, reverted to U. S. Treasury	21,577	39
(a) State funds	Grand total	\$24,569	49
(b) Federal funds	Balance September 30, 1921	30,164	23
	(a) State funds 9,501 57		
Total	(b) Federal funds		
	Total	\$54,733	72

TABLE 2. STATUS OF CASES

	TABLE 2. STATUS OF CASES	
To	tal number of disabled persons reported to Division	528
(1)	Number of persons who have made application	138
	(a) Placed in training	
	(b) Eligible and awaiting training	
	(c) Applications awaiting approval	
	(d) Rejected service 4	
	(e) Not susceptible of rehabilitation 4	
	(f) Found ineligible and closed for other reasons 28	
(2)	Number disabled persons called to the attention of the Division who	
	have not made application for the following reasons (these cases	
	have been closed)	172
,	(a) Found to have negligible handicap	
	(b) Failed to reply to letters 49	
	(c) Could not locate	
	(d) Service rejected	
	(e) Not susceptible of rehabilitation 2	
	(f) Deceased 5	
(3)	Number of persons under investigation who have not made applica-	
	tion but to whom one or more letters have been sent	218
	TABLE 8. TYPES OF TRAINING—BY INSTITUTIONS	
	No.	in Training
(1)	Higher education institutions, college grade	. 8
	Trade schools, full-time	
(3)	Commercial schools	
	(a) Full-time	
	(b) Part-time	
	(c) Evening	
(4)	Public evening schools (trade subjects)	
(5)		
(6)	Correspondence schools	. 6
	Total	. 48
	TABLE A COMPATIONS FOR WHICH DISABLED DEPONS ARE	DEING

TABLE 4. OCCUPATIONS FOR WHICH DISABLED PERSONS ARE BEING TRAINED

Accounting Law Auto mechanics Machine operation Bookkeeping Monotype operation Broom making Oxy-acetylene welding Business executive Railway mail service Chiropractic Rug and carpet weaving Clerical work Stock clerk Commercial illustrating Salesman Combustion engineer Steam engineer Contracting Toolmaker Drafting Teacher Electrical power plant operator Traffic management

Jewelry engraving

TABLE 5. PLACE OF RESIDENCE OF DISABLED PERSONS NOW IN TRAINING

Anderson	Fort Wayne	Linton
Bedford	Hartford City	Michigan City
Bourbon	Indianapolis	Muncie
Brazil	Indiana Harbor	New Albany
Evansville	Jasonville	New Castle
Farmersburg	Kendallville	South Bend
Farmland	Lafayette	Terre Haute
Frankfort	Laporte	

TABLE 6. INSTITUTIONS FURNISHING COURSES TO DISABLED PERSONS AND COURSES GIVEN BY EACH

Alexander Hamilton Institute-Correspondence, professional course. Board of Industrial Aid for the Blind-Full-time trade course. Bradley Polytechnic Institute-Full-time trade course. Benjamin Harrison Law School-Evening school professional courses. Brazil Business University-Full-time commercial course. Central Business College-Full-time, part-time and evening commercial. East Chicago Evening School-Evening trade course, Evansville Evening School-Evening trade course. Georgetown Law School-Full-time professional course. Indiana University-Full-time professional course. Indianapolis Y. M. C. A. Evening School-Evening school trade courses. International Correspondence School-Correspondence, trade course. Lockyear's Business College-Full-time commercial course. Louisville Y. M. C. A .- Evening trade course. Muncie Business College-Evening commercial course. Ross College of Chiropractic-Full-time professional course. South Bend Business College-Full-time commercial course. South Bend Evening School-Evening trade course. Sweeney Automobile and Tractor School-Full-time trade course. United Y. M. C. A. Correspondence School-Correspondence trade course, University of Wisconsin-Correspondence trade course. U. T. A. School of Printing-Full-time trade course.

CO-OPERATING AGENCIES

Numerous agencies have given valuable assistance to the Rehabilitation Division in the promotion of its work. In addition to the State Industrial Board, already referred to, those deserving special mention are (1) The Indianapolis Charity Organization Society; (2) The Board of Industrial Aid for the Blind for its facilities in rug and carpet weaving and broom making; (3) The state workers with the Social Service Department of the Robert W. Long Hospital for bringing worthy cases to our attention, and (4) various social service organizations throughout the state.

DIVISION OF SCHOOL ATTENDANCE

BLANCHE MERRY, State Attendance Officer.

The division of school attendance was created by the legislature of 1921. The Act concerning school attendance and employment of minors, was signed by the Governor on May 31, 1921. On June 6 the first state attendance officer of Indiana began work.

The initial step in building the attendance division of the department of public instruction was the establishment of a basic principle. No better fundamental could be found than the core of the law itself: "Every child between the ages of seven and sixteen years shall attend public school, or other school taught in the English language which is open to the inspection of local and state attendance and school officers; and such child shall attend such school each year during the entire time the public schools are in session." With the above as a standard the organization began. It was obvious that a new type of attendance officer must be secured in order to bring all the children affected by

this law into the schools of the state. The summer was given over to qualifying and selecting officers whom we believed would measure well with the standard set.

We were fortunate in securing a group of men and women especially adapted to the execution of the law. Among these are approximately thirty high school graduates; many who have had college, university or normal school training; others with experience in social service work; several ministers and a few ex-service men. With this splendid corps of workers we have been able to accomplish a great deal in the five months given to the execution of the law.

When school was opened, early in September, the percentage of attendance was far in advance of our expectations. The school officials were unable to care for the many children brought in through the efforts of these officers. Schools had to be re-opened and new schools established. In one county in the state the school trustee was forced to open a school that he had neglected for the past year. In another county, the nucleus of a high school has been made to care for about forty elementary school graduates. In a northern county of the State, the people are not satisfied with poor schools but demand that their children should be given the advantage of a certified high school.

In our larger cities, many children were forced to re-enter school from various kinds of industry. To care for these children, officials have arranged special classes, and in some cases special schools, with a course of study particularly adapted to their needs. Everywhere the ideal of training for American citizenship was kept in mind.

In other cases the attendance officer sought help from local organizations as well as individuals and was able to care for special children in the way of books and clothing. In one part of the State, through the efforts of the officer and the school trustee, the ladies of a church are helping with the duties of a motherless child who has younger brothers and sisters. By this co-operation it is possible for this girl to have her chance with other children. In one case the attendance officer found a family in quarantine. When the time for lifting the quarantine was due, she went to the home with clothing, soap and disinfectants. Two days were given to helping the mother prepare her children for school the following week.

The people are gradually understanding the law. With an understanding of it, there comes co-operation. With a standard of regular attendance on the part of every child in the state, our schools must necessarily be more economical in money, time and energy. The latter applies to both the children and the teacher.

The attendance law has brought to the surface many perplexing problems. A number of these problems are yet unsolved, but school officials are diligently at work on more efficient schools. As the work advances, the difficulties which have arisen through the execution of the attendance law will be solved. A great forward step has been made in bringing the children of the state into touch with the educational opportunities offered.

Indiana is responsible for the education of the youth, but she is equally responsible in seeing that the youth avail themselves of the advantages offered.

DIVISION OF STATISTICS AND ACCOUNTING

DEFICIENCY SCHOOL FUND

Report of money received from state school tax and special appropriation by state legislature for town and township deficiency fund, and the amount paid to school corporations to enable them to complete a six or seven months' term.

1.	Number of corporations submitting requests for state aid	1	65
2.	Number of corporations given state aid	1	47
3.	Number of counties given state aid		28
4.	Amount available for distribution from-		
	(a) June 1920 settlement\$141,209 25		
	(b) December 1920 settlement		
	(c) Special appropriation by State Legislature, 1921.		
	(See p. 262, Acts 1921)	\$458,820	04
5.	Total amount distributed to corporations	384,851	66
6.	Balance in treasury September 30, 1921	\$73,968	38

Note.—A number of corporations failed to continue their schools the required time for which aid was granted. It was, therefore, necessary to withhold aid for the number of days not taught. Furthermore, a number of corporations applying for aid failed to qualify, having made their levies too low to entitle them to the amount of state aid for which they applied. This accounts for the large balance in the treasury September 30, 1921.

DETAILED REPORT DEFICIENCY FUND, 1920-1921

Township or Town	Trustee or Treasurer of School Board	Amount Each Corporation Received From the State	Amount Each County Received
Adams County: Berne, town	Rufus Von Gunten	\$1,248 23	\$1,248 23
Brown County: Hamblen Jackson Johnson Van Buren Washington Nashville, town	George Wilkerson Wes Curry William Bales. Albert Hedrick Bennie Petro William L. Coffey	\$4,283 02 6,084 30 2,150 40 5,047 31 3,275 47 6,000 02	
Clark County: Washington Wood	Harry Huffstetter	\$1,989 87 739 11	\$26,840 52
Crawford County: Boone Jennings Johnson. Ohio Patoka. Sterling Union Whisky Run Alton, town Er glish, town Leavenworth, town Marengo, town. Milltown, town	E. E. Parr John M. McIntosh Reuben Cox J. P. Rainforth Joseph T. Riley Chas. P. Miller Chas. E. Ford Willard Vance D. S. Deuchars Jas. A. Goodwin Margaret Mahr L. L. Jenner L. E. Flanigan	\$396 45 1,568 65 1,328 37 2,010 51 2,514 06 1,043 20 2,193 31 1,235 54 1,037 74 6,843 73 6,038 87 7,181 08 6,791 10	\$2,728 98
			\$40,182 61

DETAILED REPORT DEFICIENCY FUND, 1920-1921—Continued

Township or Town	Trustee or Treasurer of School Board	Amount Each Corporation Received From the State	Amount Each County Received
Daviess County: Harrison	Walter Smoot	\$1,730 91 2,348 36 1,869 27	
Dearborn County: Kelso	John A. Andrews. James W. Gaynor. Emery P. Ross. Clyde Randall	\$2,481 11 1,582 40 1,030 13 139 05	\$5,948 54
Dubois County: Cass. Columbia Hall Jefferson Birdseye, town	John Schwinghamer Amos Bledsoe and Chas. Seneff Herman Humbert Herman Cummins. P. J. Hollowell	\$2,117 24 5,842 56 1,983 14 1,262 79 4,686 34	\$5,232 69
Gibson County: Barton	Chas. Wheaton	\$874.18	\$15,892 07
Greene County: Cass. Center Beech Creek Jackson Taylor	Oliver Brewer. William C. Hord. Jas. W. Fuller. Jonas Hayes. Jason Huffman	\$616 57 3,872 02 2,552 30 6,395 72 3,654 89	\$874 18
Harrison County: Blue River Boone Harrison Heth Jackson Morgan Posey Scott Spencer Taylor Washington Webster.	C. D. Mauck W. E. Nolot	1,930 23 4,943 39 1,715 18 2 621 49	\$17,091 50
Jackson County: Grassy Fork Owen Pershing Salt Creek Crothersville, town	Wm. T. McKain	5.225 70	\$45,399 37
Jefferson County: Graham. Hanover. Lancaster. Saluda. Shelby.	Ben H. Banta C. L. Rutledge Robt A. J. McKeand	2,004 24	\$22,773 19
Jennings County: Bigger. Campbell. Columbia. Geneva. Lovett. Marion. Montgomery. Sand Creek. Speneer.	T. H. Schlottman J. E. Rine Henry Pearcy. John T. Richardson Wm. R. McClellan A. L. Kysar D. W. Matthews. John N. Kane	\$3,179 49 2,240 89 2,861 75 2,537 30 2,446 35 2,664 64 2,877 97 4,143 07	\$9,031 67 \$25,769 43

DETAILED REPORT DEFICIENCY FUND, 1920-1921—Continued

Township or Town	Trustee or Treasurer of School Board	Amount Each Corporation Received From the State	Amount Each County Received
Lawrence County: Bono. Guthrie Indian Creek Perry Pleasant Run Spice Valley.	John P. Wicker Chas. M. Henderson. John R. Smith Ellis Spoonmore. Wm. H. Inman J. W. Wilson.	\$1,202 30 519 36 2,085 05 693 46 1,498 68 3,905 12	
Martin County: Center. Halbert Shoals, town.	Wm. L. Dunlap A. J. Hamilton Wm. Sides	\$532 63 1,456 36 1,497 12	\$9,903 97
Monroe County: Bean Blossom. Benton. Clear Creek Indian Creek Marion. Polk. Richland Salt Creek. Washington	Dill Hughes Michael Chitwood. John P. Harrell Helmer Byers. Conner Hacker William Hedrick J. M. Rice. Robert Rayl. Turner Wiley	\$5,026 34 815 50 3,412 52 724 35 501 05 2,098 71 385 10 1,177 37 1,285 52	\$3,486 11
Orange County: Greenfield Jackson Northwest Orangeville South East Orleans, town Paoli, town	Lynden B. Roberts Chas. H. Denbo John D. Toliver Alonzo Wilson Edward B. Vance A. L. Lewis Arthur J. Farlow	\$1,456 39 3,194 93 1,381 12 1,130 92 3,984 54 2,565 93 1,314 24	\$15,426 46
Owen County: Clay Franklin Jackson Jefferson Jennings Lafayette Morgan Taylor	John S. Brown Lewis Nelson Bruce Davis E. F. Bush A. M. Huffman John White J. E. Halton A. G. Acord	\$1,874 25 142 27 598 17 2,490 42 553 47 351 49 352 59 2,006 86	\$14,028 07
Parke County: Raccoon	E. A. Webster	\$974 13	\$8,369 52
Perry County: Anderson. Clark Tobin. Union. Leopold. Oil. Troy, town	John Peckinpaugh. John M. Arehart D. O. Harding John Baysinger Joseph A. Rogier J. E. Hubert. John Bergenroth	\$4,269 76 9,566 56 8,417 58 5,824 56 5,262 98 4,967 82 2,283 03	\$974 13
Pike County: Clay. Lockhart Marion Monroe	Jas. H. Borders I. N. Barrett Samuel Pipes Reece Burns.	\$1,964 69 4,657 56 2,932 68 3,727 61	\$40,592 29
Scott County: Jennings	Ed. D. Casey	\$1,576 61	\$13,282 54 \$1,576 61

DETAILED REPORT DEFICIENCY FUND, 1920-1921-Continued

Township or Town	Trustee or Treasurer of School Board	Amount Each Corporation Received From the State	Amount Each County Received
Spencer County: Carter Clay Jackson Luce. Chrisney, town. Grandview, town.	Fred B. Bockstahler Robert S. Ferguson G. W. Harris John C. Clement Chas. Franzman August E. Kruse	\$3,250 24 861 91 2,629 62 1,089 88 3,337 09 1,534 21	
Sullivan County: Jackson	E. A. Marratta John W. Buck	\$2,303 17 1,981 61	\$12,702 9
Switzerland County: Cotton. Craig. York.	Eugene Stoops	\$1,082 23 462 30 662 16	\$4,284
Vigo County: West Terre Haute, town	George L. Berry	\$2,317 00	\$2,206
Warrick County: Anderson. Greer. Hart. Lane. Owen. Pigeon. Skelton. Newburg, town.	Clarence Johnson. Samuel Thene Jas. H. Ricketts. Chas. W. Dougan. Henry T. Leslie O. E. Evans. James R. Skelton. Ernest Purdue	\$1,909 64 943 31 5,021 05 1,223 54 5,716 38 5,755 87 5,177 98 792 47	. \$2,317 (
Washington County: Franklin Howard Jackson Madison Monroe Posey Campbellsburg, town Hardinsburg, town New Pekin, town Saltillo, town	L. B. Ashabraner. Nestle H. Voyles Oliver S. Bush C. E. Patton. John Ryan D. W. Still Jas. C. Wade Wm A. Hulgan Homer Lewis Barney Gould	\$1,346 42 1,025 74 367 05 117 50 1,451 77 721 56 1,810 54 1,164 96 1,408 95 732 83	\$26,540 2
les.			\$10,147
Total Disbursements			\$384,851

APPORTIONMENT OF COMMON SCHOOL REVENUE FOR TUITION

Made by the State Superintendent of Public Instruction on January 3, 1921

Showing the enumeration of children in each county, the amount of school revenue ready for apportionment in each county and the source from which the same is derived, the total amount of school revenue for distribution, and the distributive shares thereof apportioned to each county, as required by Sections 6433, 6465, 6470, 6471 and 6474, Revised Statutes 1914, and Acts of 1915, page 633.

SUMMARY

Balance in treasury after June, 1920, apportionment	\$418	45
Balance from Deficiency Fund, September 30, 1920	1,258	78
Town and Township Deficiency Fund set aside in June, 1920	141,209	25
State school tax—December, 1920, settlement	1,434,277	93
Common School Fund interest—December, 1920, settlement	313,314	16
Unclaimed fees	1,182	07
Manuscript fees	2,684	21
Show licenses	4,133	50
	-	
· · · · · · · · · · · · · · · · · · ·	\$1,898,478	35
Town and Township Deficiency Fund Set Aside—		
From June, 1920, settlement		
From December, 1920, settlement	258,820	04
Total available for distribution	\$1,639,658	31
Amount apportioned\$1,639,458 70		
Balance in treasury	1,639,658	31
	-	
Number of children enumerated	784,	430
Per capita	\$2	09

APPORTIONMENT FOR JANUARY, 1921

COUNTIES	Number of Childern Enumerated Between 6 and 21 Years of Age	Amount Derived from State Tax	Interest Collected on Common School Fund Since Last Apportionment	Amount Apportioned at \$2.09 Per Capita
Adams	6,356 28,925 6,432 3,281 4,259	\$12,579 64 56,778 52 13,581 64 16,918 24 7,728 75	\$2,210 94 9,214 39 2,981 45 1,721 53 1,997 80	\$13,284 04 60,453 25 13,442 88 6,857 29 8,901 31
Boone Brown. Carroll Cass. Clark	5,932 2,199 4,234 8,694 8,367	17,413 69 1,167 01 13,099 19 20,393 15 8,041 71	2,665 96 1,158 34 2,095 45 3,984 89 3,423 81	12,397 88 4,595 91 8,849 06 18,170 46 17,487 03
Clay. Clinton. Crawford Daviess. Dearborn	9,708 6,970 3,148 8,231 5,351	9,019 16 21,139 47 1,692 35 9,095 44 6,124 77	2,706 96 3,801 81 1,507 09 9,270 52 3,119 22	20,289 72 14,567 30 6,579 32 17,202 79 11,183 59
Decatur. Dekalb. Delaware Dubois Elkhart	4,906 6,461 16,622 6,333 13,938	10,853 92 12,284 00 27,516 22 4,691 39 24,573 87	2,916 72 2,718 28 4,703 28 2,474 18 5,715 08	10,253 54 13,503 49 34,739 98 13,235 97 29,130 42
Fayette. Floyd. Fountain Franklin.,	8,970 4,971 4,076	8,391 09 5,446 87 11,835 69 6,139 98 10,360 70	1,464 80 3,285 50 2,916 54 859 53 1,832 22	9,014 17 18,747 30 10,389 39 8,518 84 9,402 91
Gibson Grant. Greene Hamilton. Hancock.	14,701 11,038 5,876	12,765 20 24,454 92 10,377 53 14,343 77 13,643 49	3,548 64 6,407 05 6,166 01 3,145 64 3,000 09	17,723 20 30,725 09 23,069 42 12,280 84 8,627 52
Harrison Hendricks Henry Howard Huntington	5,100 9,612 10,213	3,399 17 15,263 46 18,374 25 22,668 10 16,348 00	3,427 05 3,819 57 5,545 90 3,425 64 3,197 27	11,444 84 10,659 00 20,089 08 21,345 17 17,507 93

APPORTIONMENT FOR JANUARY, 1921—Continued

COUNTIES	Number of Childern Enumerated Between 6 and 21 Years of Age	Amount Derived from State Tax	Interest Collected on Common School Fund Since Last Apportionment	Amount Apportioned at \$2.09 Per Capita
Jackson. Jasper. Jay Jefferson. Jemings.	7,017	\$9,374 44	\$3,123 53	\$14,665 53
	3,925	10,157 78	1,493 13	8,203 25
	6,512	12,625 44	2,124 44	13,610 08
	5,080	5,441 96	3,304 87	10,617 20
	3,909	4,589 68	1,389 27	8,169 81
Johnson	$\begin{array}{c} 5,053 \\ 13,769 \\ 6,913 \\ 3,724 \\ 42,448 \end{array}$	14,242 28	2,816 40	10,560 77
Knox		20,428 55	6,144 81	28,777 21
Kosciusko		16,019 17	4,072 82	14,448 17
Lagrange		8,405 85	1,881 20	7,783 16
Lake		76,598 43	10,708 35	88,716 32
Laporte Lawrence. Madison. Marion. Marshall.	$14,888 \\ 8,893 \\ 21,368 \\ 79,788 \\ 6,454$	23,564 60 7,036 57 26,692 46 182,000 40 15,006 20	4,313 69 2,859 24 4,616 91 16,808 43 2,628 11	31,115 9 2 18,586 37 44,659 12 166,756 92 13,488 86
Martin	3,667	2,309 91	4,735 45	7,664 03
Miami.	6,942	15,562 18	3,990 57	14,508 78
Monroe	7,731	6,696 21	2,577 78	16,157 79
Montgomery	7,233	19,449 23	2,196 77	15,116 97
Morgan	5,465	8,003 16	2,004 02	11,421 85
Newton	2,947	10,749 69	1,134 84	6,159 23
Noble	5,551	12,161 12	2,605 07	11,601 59
Ohio	922	1,234 98	774 69	1,926 98
Orange	4,653	4,297 38	2,357 18	9,724 77
Owen	3,668	4,538 35	2,295 99	7,666 12
Parke Perry Pike Porter Posey	5,142	8,447 21	3,470 42	10,746 78
	5,050	2,695 67	2,148 79	10,554 50
	5,634	4,894 59	2,780 40	11,775 06
	5,519	14,892 82	2,212 23	11,534 71
	5,390	9,727 44	3,720 43	11,205 10
Pulaski	7 222	7,952 31	1,106 23	7,791 52
Putnam		11,844 22	1,800 97	10,880 54
Randolph		19,191 10	4,271 44	15,093 98
Ripley		5,793 22	1,682 10	11,712 36
Rush		17,508 61	2,270 88	9,388 28
Scott.	6.554	2,616 97	1,840 64	5,164 39
Shelby.		18,507 32	2,856 96	13,697 86
Spencer.		5,205 67	2,629 76	11,515 90
Starke.		6,482 67	1,870 19	6,991 05
Steuben.		5,931 98	3,173 76	7,041 21
St. Joseph	27,932 /	51,298 21	4,484 01	58,377 88
Sullivan	9,203	12,008 27	3,412 68	19,234 27
Switzerland	2,323	2,210 67	788 56	4,855 07
Tippecanoe	10,641	25,729 19	3,782 11	22,239 69
Tipton	4,355	12,338 43	2,959 33	9,101 95
Union	1,449	4,723 15	728 66	3,028 41
Vanderburgh	24,659	33,766 31	7,084 11	51,537 31
Vermillion	8,383	11,119 77	3,045 22	17,520 47
Vigo.	26,975	34,083 79	7,374 64	56,377 75
Wabash .	6,933	15,545 78	4,562 33	14,489 97
Warren .	2,507	11,093 09	1,429 82	5,239 63
Warrick .	6,034	5,670 60	3,028 60	12,611 06
Washington .	4,519	5,437 29	1,996 62	9,444 71
Wayne. Wells. White. Whitley	10,905	23,951 44	6,217 80	22,791 45
	5,774	13,099 34	5,049 73	12,067 66
	4,656	13,508 58	1,723 54	9,731 04
	4,249	11,301 85	2,424 49	8,880 41
Totals	784,430	\$1,434,277 93	\$313,314 16	\$1,639,458 70

APPORTIONMENT FOR JUNE, 1921

SUMMARY

D. L. January of the Towns we 1991 expension ment	\$199	C1
Balance in treasury after January, 1921, apportionment	\$199	01
Balance from Deficiency Fund set aside from June and December,		
1921, settlements	19,698	82
State school tax—June, 1921, settlement	1,835,666	74
Common School Fund interest—June, 1921, settlement	302,707	37
Unclaimed fees	1,209	73
Show licenses	1,830	00
,	\$2,159,312	27
Town and Township Deficiency Fund Set Aside—		
8.2% of state school tax from June, 1921, settlement \$150,360 67		
Supplemental aid from state school tax—June, 1921,		
settlement. (See Chap. 107, Acts of 1921) 200,000 00		
Balance from amount set aside from June and Decem-		
ber, 1920, settlements	370,058	49
Total available for distribution	\$1,789,252	78
Amount apportioned\$1,788,875 49		
Balance in treasury	1,789,252	78
Number of children enumerated	797,	537
Per capita	\$2.2	243

DISTRIBUTION OF APPORTIONMENT BY COUNTIES

COUNTIES	Number of Children Between 6 and 21 Years of Age	Amount Received from State School Tax	Interest Collected on Common School Fund Since Last Apportionment	Amount Derived from Unclaimed Fees and Other Sources	Amount Apportioned at \$2.243 Per Capita
Adams. Allen Bartholomew Benton Blackford	$\begin{array}{c} 6,466 \\ 29,464 \\ 6,541 \\ 3,264 \\ 4,218 \end{array}$	\$16,094 34 69,971 05 16,069 02 21,429 66 9,054 57	\$2,211 84 10,040 80 2,973 66 1,700 06 2,000 00		\$14,503 24 66,087 75 14,671 46 7,321 15 9,460 97
Boone. Brown. Carroll. Cass. Clark.	5,947 2,148 4,243 9,108 8,358	21,866 86 1,422 86 16,195 47 24,321 92 10,254 81	3,832 79 1,500 00 2,080 17 3,893 21 3,423 80	\$3 61	13,339 12 4,817 97 9,517 05 20,429 24 18,746 99
Clay. Clinton Crawford Daviess Dearborn	9,651 7,226 3,215 8,216 5,355	11,275 54 24,671 99 2,055 90 11,275 85 8,219 28	4,242 54 3,757 11 1,507 09 5,000 00 3,123 23		21,647 19 16,207 92 7,211 25 18,428 49 12,011 27
Decatur. Dekalb Delaware Dubois Elkhart	4,979 6,501 16,471 6,294 14,138	13,199 25 17,190 48 35,369 44 6,637 96 37,100 42	2,882 93 2,588 30 4,774 47 2,449 91 5,039 30		11,167 90 14,581 74 36,944 45 14,117 44 31,711 53
Fayette. Floyd. Fountain. Franklin. Fulton.	4,216	10,757 25 8,235 42 15,260 28 7,546 18 13,381 37	1,459 85 3,318 88 2,938 61 3,783 39 1,806 78		9,039 29 20,247 56 11,010 89 9,456 49 10,189 95
GibsonGrant.Greene.Hamilton.Hancock.	14,743 11,063 6,310	18,086 21 29,142 56 14,662 06 17,088 10 17,422 60	3,563 75 6,268 05 6,000 00 3,138 47 4,000 00		19,449 05 33,068 55 24,814 31 13,749 59 9,485 65
Harrison. Hendricks. Henry. Howard. Huntington	5,067 9,174 10,761	4,099 01 17,891 66 21,618 45 29,336 78 21,374 24	3,500 00 3,825 23 2,681 46 3,413 38 3,219 44	86 04	12,168 28 11,365 28 20,577 28 24,136 92 18,565 31

DISTRIBUTION OF APPORTIONMENT BY COUNTIES—Continued

COUNTIES	Number of Children Between 6 and 21 Years of Age	Amount Received from State School Tax	Interest Collected on Common School Fund Since Last Apportionment	Amount Derived from Unclaimed Fees and Other Sources	Amount Apportioned at \$2.243 Per Capita
Jackson Jasper Jay Jefferson. Jennings.	6,939 3,980 6,504 5,098 3,832	J11,514 07 13,594 37 15,748 60 6,587 52 5,766 42	\$3,000 00 1,542 16 2,464 18 4,187 38 2,006 19	\$136 25	\$15,564 18 8,927 14 14,588 47 11,434 81 8,595 18
Johnson Knox Kosciusko Lagrange Lake	5,101 14,064 7,239 3,685 45,949	15,844 63 25,117 73 20,604 38 10,449 91 132,316 67	2,816 17 6,253 67 4,028 40 1,869 74 5,418 00	57 30	$\begin{array}{c} 11,441 \ 54 \\ 31,455 \ 55 \\ 16,237 \ 08 \\ 8,265 \ 46 \\ 103,063 \ 61 \end{array}$
Laporte. Lawrence. Madison Marion Marshall.	15,107 8,990 21,213 82,947 6,581	31,996 80 8,502 85 37,222 07 215,079 46 17,461 72	2,727 43 3,174 93 4,585 58 7,579 62 2,750 66	78 28	33,885 00 20,164 57 47,580 76 186,050 12 14,761 18
Martin Miami Monroe Montgomery Morgan	3,643 7,111 8,030 7,323 5,388	2,833 77 18,357 05 8,374 20 23,729 23 9,294 19	3,000 00 3,891 56 2,594 05 2,187 61 2,681 50		8,171 25 15,949 97 18,011 29 16,425 49 12,085 28
Newton. Noble Ohio. Orange Owen.	2,900 5,610 914 4,722 3,530	14,065 00 17,543 10 1,460 91 5,497 00 5,590 35	1,134 84 2,915 66 578 02 2,638 72 2,698 25	129 35	6,504 70 12,583 23 2,050 10 10,591 45 7,917 79
Parke. Perry. Pike. Porter Posey.	5,248 5,025 5,818 5,753 5,351	10,294 26 4,025 89 6,527 70 20,045 13 12,489 66	3,472 26 2,170 16 2,796 43 2,587 59 3,741 12		11,771 26 11,271 08 13,049 77 12,903 98 12,002 29
Pulaski Putnam. Randolph Ripley. Rush	3,745 5,172 7,183 5,514 4,672	9,578 17 14,385 54 21,264 82 7,341 48 20,546 01	1,095 98 4,132 68 4,256 09 2,487 06 3,737 12		8,400 04 11,600 80 16,111 47 12,367 90 10,479 30
Scott Shelby. Spencer. Starke. Steuben.	2,254 6,404 5,493 3,348 3,356	3,032 95 21,972 83 6,871 25 9,109 92 9,046 85	732 25 4,588 67 2,616 22 1,886 14 1,000 00	23 95	5,055 72 14,364 17 12,320 80 7,509 56 7,527 51
St. Joseph. Sullivan. Switzerland Tippecanoe. Tipton.	29,238 9,184 2,338 10,777 4,355	66,969 64 14,625 32 2,781 51 33,560 07 14,559 34	6,417-73 3,673 60 2,267 60 6,370 62 3,167 19	143 15 3 20 154 55	65,580 83 20,599 71 5,244 14 24,172 81 9,768 27
Union Vanderburgh Vermillion Vigo	1,438 25,033 8,567 27,349	5,708 03 44,538 59 15,159 18 43,060 05	813 00 7,311 33 3,082 37 7,374 64		3,225 43 56,149 02 19,215 78 61,343 81
Wabash. Warren. Warrick. Washington	7,140 2,428 5,984 4,685	20,112 70 14,024 94 7,136 90 6,247 71	4,500 00 1,700 00 3,000 00 2,243 31	30 30	16,015 02 5,446 00 13,422 11 10,508 46
Wayne. Wells, White Whitley	11,566 5,798 4,602 4,251	27,996 58 16,227 17 17,469 48 12,826 23	5,256 60 1,700 00 1,866 83		25,942 54 13,004 91 10,322 29 9,534 99
Totals	797,537	\$1,833,666 74	\$302,707 37	\$872 83	\$1,788,875 49

ENUMERATION OF SCHOOL CHILDREN, 1921

4 (6 to 21 years of age)

White males	,
Total males	411,131
White females. Colored females.	,
Total females Total males and females	,
White males. White females.	
Total white children	777,004
Colored males	
Total colored children.	20,533
Total enumeration (6 to 21 years of age).	797,537
Total enumeration in 1921	
Net gain.	13,107
Total enumeration in townships in 1921. Total enumeration in townships in 1920.	
Gain in 1921	4,929
Total enumeration in towns in 1921. Total enumeration in towns in 1920.	
Gain in 1921	969
Total enumeration in cities in 1921. Total enumeration in cities in 1920.	
Gain in 1921	7,209
Total Enumeration in 1920: Total Enumeration in 1	921:
1. In townships. 369,945 In townships. 2. In towns. 38,225 In towns. 3. In cities. 376,260 In cities.	39,194
Total	797,537
Gain13,107	

COMMON SCHOOL FUND 1921

Interest Computed from November 1, 1920 to November 1, 1921

COUNTIES	Amount held in trust by Co. June 30, 1921	Interest from Nov. 1, 1920 to Nov. 1, 1921	Interest paid in June, 1921 settlement	Interest due in Dec. 1921 settlement						
Adams . Allen . Bartholomew . Benton	\$73,727 94 328,626 77 100,019 77 56,668 53 66,797 71	\$4,423 68 19,717 61 6,001 19 3,400 11 4,007 86	\$2,211 84 10,040 80 2,973 66 1,700 06 2,000 00	\$2,211 84 9,676 81 3,027 53 1,700 05 2,007 86						
Boone. Brown. Carroll. Cass. Clark.	114,193 68 44,515 71 69,593 68 132,716 25 114,984 31	6,851 62 2,670 94 4,175 62 7,962 98 6,899 06	3,832 79 1,500 00 2,080 17 3,893 21 3,423 80	3,018 83 1,170 94 2,095 45 4,069 77 3,475 26						
Clay	250,128 57	7,093 88 7,514 22 3,014 18 15,007 72 6,246 46	4,242 54 3,757 11 1,507 09 5,000 00 3,123 23	2,851 34 -3,757 11 1,507 09 10,007 72 3,123 23						
Decatur Dekalb Delaware Dubois Elkhart	162,798 72 81,939 85	5,631 69 9,767 92 4,916 39	2,882 93 2,588 30 4,774 47 2,449 91 5,039 30	2,930 80 3,043 39 4,993 45 2,466 48 5,205 95						
Fayette Floyd Fountain Franklin Fulton	112,670 82 97,953 73 85,451 52	5,760 25 5,877 22	1,459 85 3,318 88 2,938 61 3,783 39 1,806 78	1,625 75 3,441 37 2,938 61 1,343 70 1,823 75						
Gibson Grant Greene Hamilton Hancock	211,670 24 198,853 51	12 700 22	3,563 75 6,268 05 6,000 00 3,138 47 4,000 00	3,579 28 6,432 17 5,931 21 3,238 27 1,040 38						
Harrison. Hendricks Henry. Howard Huntington	128,100 63 135,949 98 115,936 44	7,686 04 8,157 00 6,956 19	3,413 38	3,440 31 3,860 81 5,475 54 3,542 81 3,219 46						
Jackson Jasper Jay Jefferson Jemings	51,760 54 98,979 04 120,302 89	7,218 17	4,187 38	3,237 71 1,563 47 3,474 56 3,030 79 1,959 97						
Johnson Knox Kosciusko Lagrange Lake	208,853 88 135,056 01 62,423 65	8,103 36 3,745 42	2,816 17 6,253 67 4,028 40 1,869 74 5,418 00	2,960 74 6,277 56 4,074 96 1,875 68 13,018 24						
Laporte Lawrence Madison Marion Marshal	108,340 19 152,852 66 464,858 10	6,500 41 9,171 16 27,891 49	3,174 93 4,585 58 7,579 62	5,820 27 3,325 48 4,585 58 20,311 87 2,783 77						
Martin Miami Monroe Montgomery Morgan	131,225 43 85,600 65 74,884 04	$\begin{bmatrix} 5,136 & 04 \\ 4,493 & 04 \end{bmatrix}$	2.594 05	4,750 15 3,981 97 2,541 99 2,305 43 3,025 37						
Newton Noble Ohio Orange Owen	98,751 70 21,578 10 61,214 33	3,672 86	2,000 12	1,123 50 3,009 44 716 67 1,034 14 1,878 32						

COMMON SCHOOL FUND 1921—Continued

COUNTIES	Amount held	Interest from	Interest paid	Interest due
	in trust by Co.	Nov. 1, 1920 to	in June, 1921	in Dec. 1921
	June 30, 1921	Nov. 1, 1921	settlement	settlement
Parke	\$115,742 08 72,400 69 93,214 32 76,127 70 124,705 54	5,592 86 4,567 66	\$3,472 26 2,170 16 2,796 43 2,587 59 3,741 17	\$3,472 26 2,173 89 2,796 43 1,980 07 3,741 16
Pulaski.	36,738 81		1,095 98	1,108 35
Putnam.	105,337 50		4,132 68	2,187 57
Randolph	142,025 66		4,256 09	4,256 45
Ripley.	82,902 10		2,487 06	2,487 07
Rush.	98,871 06		3,737 12	2,195 14
Scott Shelby Spencer. Starke. Steuben.	41,549 53	2,492 97	732 25	1,760 72
	125,949 63	7,556 98	4,588 67	2,968 31
	88,270 88	5,296 25	2,616 22	2,680 03
	62,871 22	3,772 27	1,886 14	1,886 13
	61,076 63	3,664 60	1,000 00	2,664 60
St. Joseph Sullivan Switzerland Tippecanoe Tipton	199,753 33 121,190 77 55,427 36 175,300 26 97,138 18	11,985 20 7,271 45 3,325 64 10,518 02 5,828 29	$\begin{array}{c} 6,417 \ 73 \\ 3,673 \ 60 \\ 2,261 \ 60 \\ 6,370 \ 62 \\ 3,167 \ 19 \end{array}$	5,567 47 3,597 85 1,058 04 4,147 40 2,661 10
Union.	27,498 61	1,649 92	813 00	836 92
Vanderburgh.	243,710 91	14,622 65	7,311 33	7,311 32
Vermillion.	106,194 71	6,371 68	3,082 37	3,289 31
Vigo.	240,383 35	14,423 00	7,374 64	7,048 36
Wabash	151,742 41	9,104 54	4,500 00	4,604 54
Warren.	52,717 75	3,163 06	1,700 00	1,463 06
Warrick	93,231 81	5,593 91	3,000 00	2,593 91
Washington.	81,509 27	4,890 56	2,243 31	2,642 25
Wayne Wells White. Whitley	201,711 74 92,733 29 57,023 64 69,880 16	12,102 70 5,564 00 3,421 42 4,192 81	5,256 60 1,700 00 1,866 83	6,846 10 5,564 00 1,721 42 2,325 98
Totals	\$10,505,008 88	\$630,300 53	\$302,707 37	\$327,593 16

DISBURSEMENTS FROM TUITION AND SPECIAL SCHOOL FUNDS

Total Disbursements	\$359,880 63 1,587,751 02 342,484 52 371,477 22 198,911 96	430, 655 37 71, 805 20 354, 307 40 696, 518 17 277, 270 48	452,584 19 482,912 85 91,737 00 345,427 64 220,983 06	309, 436 13 406, 654 50 1, 033, 478 28 166, 253 85 967, 367 87	236,476 17 253,708 98 398,213 39 144,112 47 272,539 10	475, 245 67 840, 814 76 479, 858 64 395, 569 04 359, 151 68
Total Amount paid from Special School Fund	\$218, 306, 17 751,580, 53 161,701, 85 202,114, 22 92,725, 77	230, 526 56 18, 903 86 224, 562 52 419, 440 67 131, 709 74	194, 745 02 253, 807 43 20, 938 25 150, 833 10 103, 731 26	168, 534, 85 182, 646, 88 802, 718, 93 49, 642, 11 528, 712, 55	116,651 43 106,307 62 246,546 41 59,606 20 140,205 71	255, 665 22 412, 822 59 239, 017 33 198, 304 26 203, 617 81
Total Amount paid from Tuition Fund	\$141,574,46 836,170,49 180,782,67 169,363,00 106,186,19	200, 128 81 52, 901 34 129, 744 88 277, 077 50 145, 560 74	257, 839 17 229, 105 42 70, 798 75 194, 594 54 117, 251 80	140,901 28 224,007 62 230,759 35 116,611 74 438,655 32	119,824 74 147,401 36 151,666 98 84,506 27 132,333 39	219,580 45 427,992 17 240,841 31 197,264 78 155,533 87
Total Amount paid for Permanent Improvements	\$34, 524, 25 292,527, 92 29,990, 22 15,011,00	30, 336 63 3, 284 18 88, 691 21 46, 306 61 3, 132 76	40,162 39 26,318 59 3 051 55 31,137 49 673 13	8, 131 10 19,356 19 328, 129 11 6,479 92 106,946 29	2, 645 21 8, 978 14 54, 361 86 3, 073 02 4, 249 03	63, 128 89 84, 233 80 49,065 72 5,667 11 38, 973 09
Total Amount paid for Attending Institutes	\$3, 519, 41 7, 222, 17 7, 222, 17 4, 261, 76 5, 978, 53 2, 142, 50	7,610 96 1,957 47 3,919 72 14,457 46 3,388 31	5,553 02 5,294 31 511 56 2,881 01 3,063 29	3,984 35 3,427 71 7,043 97 2,943 11 7,769 30	4,590 08 1,064 50 4,230 26 2,678 25 4,413 44	4,577 96 5,341 30 5,698 70 4,930 87 4,974 62
Total Amount paid for Transfers	\$6,560 05 20,309 44 12,353 00 9,174 62 13,271 53	32,912 31 537 10 14,734 21 25,439 61 7,039 68	23,772,70 21,693,06 320,00 12,380,93 12,802,32	14, 641 16 37, 974 99 33, 652 72 8, 806 64 21, 846 51	6,107 45 5,252 61 14,224 96 4,954 86 1,144 16	14,676 16 66,469 14 14,131 78 27,827 36 6,241 98
Total Amount paid for Teaching and Supervision	\$156,088 07 842,938 48 185,024 66 171,686 19 107,471 12	201, 100 23 52, 982 24 130, 753 03 352, 109 74 148, 935 91	253,191 56 225,884 33 76,018 48 201,332 29 136,997 49	141,086 75 223,697 22 246,079 81 113,391 42 462,515 30	120,771 41 157,517 45 171,989 90 81,955 04 133,689 23	219,412 66 380,931 29 252,219 76 180,425 37 166,261 58
COUNTHES	Adams Allen Bartholomew Bartholomew Blackford	Boone. Brown. Carroll. Cass.	Clay. Clinton. Clarkord Crawford Davies. Dearborn.	Decatur Dekalb Delware Dulous Elkhart	Fayette Floyd. Fourdain Franklin Futton	Gibson Grant Grant Hamiton Hancock

213,750 40	296,309 75	371,527 46	917,579 05	99, 641 38	321,219 01	328,504 46	241,062 62
388,473 36	282,206 44	803,076 34	376,788 01	458, 833 67	388,941 76	153,754 87	443.074 47
482,968 89	315,018 15	559,753 62	997,667 41	356, 492 45	34,840 32	210,647 34	707,904 35
797,344 95	186,529 18	324,750 20	11,761,863 90	630, 949 45	197,603 56	352,972 23	225,041 82
508,605 47	169,834 28	3,382,859 70	460,902 28	380, 591 11	151,522 88	383,035 99	294,658 67
85,039 40	125,691 99	227,614 66	444,704 51	39,406 20	214,951 14	190,067 40	133, 108 56
209,231 74	152,952 99	468,234 30	179,205 08	250,326 38	228,879 89	35,427 72	253, 637 26
258,698 97	159,444 43	324,543 95	480,787 78	204,824 06	9,460 73	107,985 49	521, 160 86
502,932 08	75,116 53	195,816 59	11,079,925 84	371,884 99	86,181 74	170,038 13	92, 576 06
254,190 79	69,671 79	2,154,601 29	259,671 44	203,907 44	63,336 39	232,666 59	182, 038 29
128,711 00	170,617,76	143,912 80	472,874 54	60, 235 18	106,267,87	138 437 06	107, 954 06
179,241 62	129,253,45	334,842 04	197,582 93	208, 507 29	160,061,87	118,327 15	189, 437 21
224,269 92	155,573,72	235,209 67	516,879 63	151, 668 39	25,379,59	102,661 85	186, 743 49
294,412 87	111,412,65	128,933 61	681,938 06	259, 064 46	111,421,82	182,934 10	132, 465 76
254,414 68	100,162,49	1,228,258 41	201,230 84	176, 683 67	88,186,49	150,369 40	112, 620 38
19,472 63	6,755 16	6, 897 49	90, 973 96	3,029 70	92, 156 52	50,835 41	25, 156 81
22,508 53	46,447 01	172, 131 15	30, 077 97	4,997 10	18, 017 28	5,788 57	68, 153 63
27,185 75	58,637 35	49, 943 44	83, 249 73	46,131 11	461 03	25,308 20	25, 836 87
183,119 80	8,726 12	54, 005 49	2, 490, 464 76	22,601 11	8, 080 46	6,545 05	3, 031 28
12,290 10	4,497 81	464, 816 47	76, 481 34	71,092 68	22, 150 31	82,772 08	8, 253 76
1,815 80	4,982 23	3,784 74	5,874 71	1,940 07	3,696 39	4,989 48	3,992 36
5,962 07	3,494 25	4,638 02	4,172 26	4,733 94	4,929 75	2,421 16	4,895 51
3,503 83	3,318 78	8,270 25	17,077 92	2,728 55	420 51	3,430 77	6,415 20
4,970 99	2,520 04	4,856 98	9,578 37	7,759 05	2,546 68	9,403 29	661 26
4,677 56	3,720 96	17,810 40	5,972 73	4,001 69	2,753 31	4,807 45	3,706 69
7,316 96	10,492 01	9,462 24	114, 120 54	5,109 77	14,008 92	12,137 63	9,112 14
14,852 17	8,757 79	9,112 51	24, 226 05	11,543 79	10,638 47	1,949 92	17,078 30
14,418 12	13,060 69	15,093 13	24, 547 08	4,570 25	3,309 70	5,266 53	4,042 46
22,613 69	2,851 08	4,121 88	22, 329 59	15,214 10	16,316 96	8,031 90	16,513 34
27,396 29	3,719 89	23,319 83	14, 946 46	18,410 42	9,313 36	17,606 08	5,008 08
133, 330 97	170,144 44	171,868 16	387,791 63	66, 250 50	98, 430 00	146, 468 53	111,860 71
183, 230 90	123,212 56	358,469 20	212,970 79	227, 047 15	174, 462 90	120, 469 15	179,953 23
229, 549 37	158,433 32	234,759 96	527,878 16	178, 398 03	22, 780 48	112, 314 83	227,523 48
293, 060 36	116,580 58	133,736 93	2,929,156 77	278, 964 71	118, 775 87	190, 984 43	143,848 60
260, 339 01	104,929 24	1,371,236 82	194,352 12	178, 646 09	89, 610 18	143, 347 33	123,706 87
Harrison. Hendricks Henry Henry Henry Huntington	Jackson Jasper Jay Jeferson Jennings	Johnson. Knox Kostusko Lagrange Lake	Laporte Iawrence Madison Marion Marshall	Martin Miami Monroo Montgomery Morgan	Newton Noble Ohio Orange Owen	Parke Perry Perry Pike Posey Posey	Pulaski Putnam Randolph Ripley Rush

DISBURSEMENTS FROM TUITION AND SPECIAL SCHOOL FUNDS—Continued

Various	Total Disbursements	\$130,791 91 358,100 94 193,112 53 181,931 66 321,619 61	2,600,658 59 - 426,765 51 75,459 31 832,539 17 310,540 47	109,746 21 1,146,147 15 542,047 08 1,780,703 68	471, 265 93 263, 080 70 244, 999 25 174, 951 35	954,516 34 397,899 12 366,039 27 316,644 04	*\$55,563,293 30
	Total Amount paid from Special School Fund	\$76,181 51 156,839 91 52,734 52 94,900 29 196,622 08	1,624,121 43 224,143 79 33,538 09 449,829 66 189,744 75	58,036 69 548,419 20 354,025 41 979,194 91	254,650 63 173,965 24 89,001 46 62,169 93	544,515 54 241,248 12 210,422 26 176,408 94	\$35,209,958 27
	Total Amount paid from Tuition Fund	\$54,610 40 201,261 03 140,378 01 87,031 37 124,997 53	976,537 16 202,621 72 41,921 22 382,709 51 120,795 72	51,709 52 597,727 95 188,021 67 801,508 77	216,615 30 89,115 46 155,997 79 112,781 42	410,000 80 156,651 00 155,617 01 140,235 10	\$20,355,335 03
	Total Amount paid for Permanent Improvements	\$37,683 52 7,205 94 2,094 24 8,486 84 76,163 30	600,037 65 12,351 30 1,116 77 9,732 01 78,622 26.	2,186 73 146,765 82 119,307 02 49,123 29	28,158 64 64,718 54 10,932 16 524 44	155,032 81 83,987 33 18,275 65 31,624 72	\$7,572,240 30
	Total Amount paid for Attending Institutes	\$1,336 97 4,610 85 3,718 70 2,790 27 3,242 81	6, 236 01 3, 505 10 1, 201 66 18, 339 29 4, 833 05	1,373 70 2,910 90 4,647 43 10,237 22	5,544 90 3,449 59 3,736 64 2,878 73	16,393 06 5,973 16 4,387 74 3,772 19	\$460,593 32
	Total Amount paid for Transfers	\$8,749 36 22,711 65 13,154 63 4,583 63 8,646 30	9,033 55 3,834 78 5,950 22 11,168 49 19,739 77	2,604 42 15,109 82 11,157 96 47,294 54	6,721 50 18,110 69 7,674 02 14,556 04	41,825 57 25,626 48 15,356 89 17,451 12	\$1,431,860 67
	Total Amount paid for Teaching and Supervision	\$52,615 50 198,973 91 133,071 29 91,260 29 132,973 40	1,030,812 46 221,759 00 44,475 82 447,799 72 110,239 87	58,306 47 707,485 79 186,889 43 879,487 73	231, 321 01 88, 593 47 154, 847 72 109, 796 54	400,481 99 165,413 26 160,926 95 148,173 14	\$23,420,552 09
	COUNTIES	Scott. Shelby Spencer Starke. Steuben	St. Joseph Sullivan Switzerland Tippecanoe	Union. Vanderburgh. Vermillion	Wabash. Warren. Warriek. Washington.	Wayne. Wwells. White White	Totals.

*This is the sum of columns 5 and 6. It is the total amount paid out for teaching, supervision, transfers, institutes, permanent improvements, debts, repairs, fuel, janitors, supplies, \$65, 563, 398, 30 less \$1,431,880 67 (the amount expended for transfers which is simply transferred from one corporation to another corporation to be used the following year) leaves the operating expenses \$54,133,432.63.

	No. of Schools Abandoned	10	0100000	65 62 44		ল কংগ	ମନ୍ଦ୍ରାଦ
ATION	Total No. of Vehicles Used	112 833 7	65 4 4 19 19 19	25 24 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	50 104 1 61	29 7 59 64 64	300 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0
TRANSPORTATION	Total Amount Expended by Township Trustees for Transportation	\$4,867 40 19,473 19 21,410 12 46,148 57 2,690 00	38,036 30 1,163 00 39,421 37 35,919 10 7,705 50	11,559 16 50,401 36 826 25 21,968 86 7,523 39	42, 281 32 10, 410 30 77, 497 96 26 00 31, 660 60	16,081 53 2,474 00 38,621 81 20,531 51 31,397 85	26, 972 24 16, 693 18 10, 034 70 43, 687 10 35, 454 27
	Total No. of Children Transported	105 584 754 1,033	940 23 809 979 386	315 1,379 15 702 223	813 323 2,480 990	508 107 1,193 449 943	980 753 296 1,355
1920-1921	High Schools	580.8 1,516 627 495.1 481.9	784 113 639 1,181 621	774 947 152 605 357.6	535.3 752 1,614.8 1,549	535 588 645.2 35	1,009 1,299 1,109 1,037 621.16
AVERAGE DAILY ATTENDANCE 1920-1921	Elementary Schools	3,161.1 11,835 3,554 1,763.15 1,994.4	3,581.5 1,241 2,246 4,823 4,026	4,824 4,139 1,697 4,445 2,689.3	2,373.9 3,707 7,694.8 2,986 8,226	2,166 3,672 3,006.4 128.5 2,635	5,517 7,274.27 6,566 3,979 2,306.91
	Total	4,199 15,942 4,819 2,664 3,200	5,177 1,636 3,398 7,344 5,646	6,741 5,808 2,586 5,964 3,630	3,574 5,079 11,717 3,884 10,689	3,277 5,091 4,291 2,681 3,829	6,526 10,666 8,978 5,268 3,526
ENROLLMENT FOR 1920-1921	Fem. Col'd	 152 18 12 3	22 22 205	20 20 20 20 20	11 193	37 156 1	126 172 9 41
NT FOR 1	Female White	2,077 7,735 2,311 1,351 1,639	2,497 790 1,749 3,734 2,777	3,360 2,868 1,288 2,902 1,772	1,804 2,515 5,544 1,984 5,311	1,569 2,368 2,182 1,335 1,886	3,068 5,064 4,502 2,599 1,776
ROLLME	Male Col'd	132	11 24 199	43 6 7 21	200	40 128 1 2	132 144 144 5 49
图	Male White	2,122 7,923 2,478 1,298 1,557	2,661 846 1,649 3,564 2,465	3,284 2,931 1,298 3,023 1,817	1,767 2,536 5,780 1,900 5,298	1,631 2,439 2,106 1,343 1,943	3,200 5,286 4,462 2,579 1,737
	COUNTIES	Adams Allen Bartholomew Bartholomew Blackford	Boone Brown Carroll Cass Clark	Clay Clinton Crawford D'viess Dearborn	Decatur DeKalb. Delaware. Dubois.	Fayette Royd Foodsan Fountain Fullori Fullori	Gibson Grant Grant Greene Hamilton Haneock

ENROLLMENT, ATTENDANCE AND TRANSPORTATION-Continued

	EN	ROLLME	ENROLLMENT FOR 1920-1921	920–192		Average Daily At- Tendance 1920-1921	JAILY AT- 1920-1921	4	TRANSPORTATION	FATION	
COUNTIES	Male White	Male Col'd	Female White	Fem. Col'd	Total	Elementary	High Schools	Total No. of Children Transported	Total Amount Expended by Township Trustees for Transportation	Total No. of Vehicles Used	No. of Schools Abandoned
Harrison. Hendricks. Henry. Howard. Howard.	2,215 2,127 3,499 4,246 3,212	19 8 24 69	2,034 2,263 3,465 4,197 3,202	28 113 80 80 1	4,296 4,411 7,018 8,592 6,416	3,276 3,020 4,934 6,024.7 3,927	394 899 1,224 995.3 1,445	34 1,433 1,646 1,212 343	\$501 50 52,275 90 59,714 22 46,458 05 14,280 41	2 8 8 4 4 1 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1	63
Jackson. Jasper Jasper Jasper Jasper Jefferson. Jenings	2,477 1,580 2,401 1,899 1,421	11 20 36 36	2,413 1,519 2,683 1,862 1,410	01 10 10 10 10 10	4,911 3,102 5,109 3,806 2,911	3,316 2,045.3 3,607 2,711 2,119	709 411.5 757 439 386	391 637 534 514 203	17,611 99 27,268 26 19,063 68 13,238 01 5,319 42	42 49 33 47 18	D
Johnson Knox Koox Koscusko Lagrange Lake	1,228 5,081 3,175 1,673 13,388	38 45 3 830	2,083 5,156 3,111 1,609 12,855	33.25 1.1	4,381 10,315 6,290 3,282 28,014	3,012 7,474 4,446 2,283 19,628	797 1,267 928 517 2,503	1,249 1,991 1,902 903 735	34, 192 65 54, 125 26 71, 050 55 32, 799 70 38, 919 49	54 121 65 55	ro 61 4
Laporte. Lawrence. Madison. Marison. Marshall.	4,446 3,708 7,040 24,704 2,801	12 15 104 3,079	4,384 3,643 6,872 24,147 2,699	18 19 98 3,313	8,860 7,385 14,114 55,243 5,518	6,268.2 4,933 10,469 37,387.8 3,843	1,032.9 880 2,029 7,307.5 760	1,094 254 876 1,716 1,019	45,718 25 9,391 91 28,490 15 52,201 20 42,278 75	79 20 449 777 65	44 to to
Martin Miami Montoe Montgonery Morgan	1,295 2,822 2,893 3,188 3,188		1,179 2,812 2,890 3,116 2,196	11 56 32 6	2,474 5,660 5,894 6,367 4,393	1, 922 4, 202. 12 3, 992 4, 394 3, 100	196 906 622 1,180	$\begin{array}{c} 36 \\ 1,241 \\ 20 \\ 2,039 \\ 611 \end{array}$	1,307 50 37,803 09 1,237 00 71,023 09 21,322 77	64 44 121 27	ro4ro
Newton. Noble. Ohio Orange Owen.	1,271 2,196 363 1,807 1,497	1001	1,284 2,214 342 1,911 1,420	100	2,555 4,410 723 3,749 2,932	1,826 3,080 510.8 1,984 1,944.6	356 667.2 81 102 322.07	354 793 236 324	18,377 82 37,665 78 387 50 7,114 00 14,355 88	60 54 23 23 23	9 4

GRADUATES 1920-1921

COUNTIES	Commiss	ioned High	h Schools	Certifie	d High	Schools	Con	nmon Sch	ools
COUNTIES	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
Adams Allen Bartholomew Benton Blackford	43 100 53 47 34	49 120 67 50 60	92 220 120 97 94	1	3	4	115 395 184 96 76	149 503 200 100 91	364 898 384 196 167
Boone Brown Carroll Cass Clark	67 7 48 90 44	63 6 53 92 62	130 13 101 182 106	6 5	4 8	10 13	133 34 111 211 159	151 31 140 249 184	284 65 251 460 343
Clay. Clinton. Crawford. Daviess. Dearborn.	44 66 12 47 21	71 83 12 57 39	115 149 24 104 60	4	2	6	81 103 32 118 100	95 106 28 149 105	176 209 60 267 205
Decatur. DeKalb Delaware. Dubois. Elkhart	45 64 136 17 119	50 74 132 30 122	95 138 268 47 241	2	3	5	101 172 211 64 294	117 182 253 99 265	218 354 464 163 559
Fayette Floyd Fountain Franklin Fulton	33 34	54 52 74 14 46	90 85 108 21 104	1 10	1 5	2 15	98 141 103 41 100	100 150 115 37 124	198 291 218 78 224
Gibson. Grant. Greene. Hamilton Hancock		87 113 96 101 57	154 169 158 175 101	3 12 3	8	20	192 284 230 181 114	184 317 285 198 116	376 601 515 379 230
Harrison Hendricks Henry Howard Huntington	9 78 105 55 89	21 93 86 98 113	31 171 191 153 202	33	22	55	110 133 217 159 124	140 162 230 188 139	250 295 447 342 263
Jackson Jasper Jay Jefferson Jennings	46 27 51 29 18	53 44 70 40 21	99 71 121 69 39	5 7 13	9 18	9 16 31	92 67 120 74 50	140 79 146 127 69	232 146 266 201 119
Johnson Knox Kosciusko Lagrange Lake	47 91 87 34 119	70 103 95 68 166	117 194 182 102 285	10	17	27	114 256 198 40 417	114 296 219 45 462	228 552 417 85 879
Laporte Lawrence Madison Marion Marshall	53 64 126 517 55	77 55 180 641 78	130 119 306 1,158 133	7 5 3	9 2 3	16 7 6	237 183 241 1,661 163	276 180 290 1,813 181	513 363 531 3,474 344
Martin. Miami Monroe Montgomery. Morgan	13 57 30 109 41	$\begin{array}{c} 16 \\ 72 \\ 62 \\ 132 \\ 62 \end{array}$	29 129 92 241 103	7	8	15	27 158 121 153 144	36 196 174 179 163	63 354 295 332 307
Newton Noble Ohio Orange Owen	22 ;	43 65 9 50 17	$\begin{array}{c} 65 \\ 126 \\ 14 \\ 72 \\ 22 \end{array}$	7		7	63 108 18 75 65	67 147 21 150 68	130 255 39 225 133

GRADUATES 1920-1921-Continued

			-						
COUNTIES	Commiss	ioned Hig	h Schools	Certifie	d High	Schools	Cor	nmon Sel	nools
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
Parke. Perry. Pike. Porter Posey.	47 12 19 34 55	47 12 25 52 52	94 24 44 86 107	8 20 1	17 6 2	25 26 3	92 63 109 146 86	98 72 113 184 120	190 135 222 330 206
Pulaski Putnam Randolph Ripley Rush	30 56 95 28 28	32 75 121 27 62	62 131 216 55 90	1	5 2	6 2	90 133 157 101 110	88 149 179 117 134	178 282 336 218 244
Scott	10 58 27 23 47	22 51 36 37 53	32 109 63 60 100				47 157 89 74 94	59 178 88 90 81	106 335 177 164 175
St. Joseph. Sullivan. Switzerland. Tippecanoe. Tipton.	121 52 13 116 38	151 89 15 126 35	272 141 28 242 73	1 5	3 6 10	4 11 20	399 150 26 217 116	521 201 30 238 109	920 351 56 455 225
Union Vanderburgh Vermillion Vigo	13 71 41 142	20 126 65 166	33 197 106 308				17 379 129 510	26 452 196 680	43 831 325 1,190
Wabash Warren Warrick Washington	68 15 32 44	84 10 45 33	152 25 77 77	10 11	9 8		199 65 102 121	231 67 106 163	430 132 208 284
Wayne. Wells. White. Whitley	94 59 46 44	135 64 61 42	229 123 107 86				272 127 128 114	301 155 128 117	573 282 256 231
Totals	5,218	6,658	11,876	211	199	410	14,481	16,792	31,272

ENROLLMENT COMPARISONS BY GRADES

No. of One- Teacher Schools	23 23 23 23 24 24 25 26 26 26 26 26 26 26 26 26 26 26 26 26	384 109 46 46 84 84 84 87 70 70	610 62 61 61 129 129 67 67 88 86	733
High School Graduates	161 91 107 107 197	715 110 178 194 29 29 103 103 145	880 106 244 472 126 885 772 772 885 885 885 885 885 885 885 885 885 88	626
Eighth Grade Graduates	376 222 206 177 831 208	2,020 2,020 515 552 63 295 295 307 133 351	2, 483 943 943 163 250 250 225 135 106 284 225 225 225 225 225 225 225 225 225 22	2,220
Per cent 4th yr. H. S. pupils are of 1st yr. H.S. pupils	47.5 47.2 57.2 42.8 43.8 41.1	41.4 459.2 459.9 481.9 484.2 484.2 484.2 484.2 484.2 484.1	41.5 42.3 50.8 60.0 60.1 60.2 60.2 60.2	50.1
Per cent lst yr. pupils are of 8th grade pupils	75.6 41.3 71.3 52.6 87.7 69.4	71.3 55.27 72.37.7 72.37.7 75.66 60 60 60 60 60 60 60 60 60 60 60 60 6	57.7.2.25.5.7.7.7.3.3.3.3.3.4.4.4.6.6.3.3.3.4.4.4.3.4.3.4	51.2
Per cent Pupils in 8th grade are of pupils in 1st Grade	49.7 44.7 64.4 56.7 51.2 42.6	50.4 4.66.4 555.4 660.1 69.1	20 50 20 20 20 20 20 20 20 20 20 20 20 20 20	41.7
(See Note) Per cent Pupils in H. S. are of pupils in Grades	18.2 11.8 10.8 13.6 17.	15. 6 16. 4 16. 4 18. 8 18. 8 17. 8 17. 8 17. 8 17. 8	2.2.1 2.3.9 2.3.9 2.3.9 2.3.9 1.3.1	12.9
Total Enrollment in Public School	6,526 4,311 3,714 4,061 14,342 4,757	37, 711 5, 964 8, 978 10, 315 2, 474 5, 894 4, 393 2, 932 7, 849	48, 799 5, 646 2, 586 3, 884 6, 091 4, 296 7, 385 3, 749 3, 791 3, 791	41,478
Enrollment in High School	1,009 457 641 641 2,086 630	5, 291 1, 202 1, 479 213 753 665 665 383 1, 023	6,451 691 176 301 605 456 1,026 432 309 221 525	4,712
Enrollment in Grades	5,517 3,854 3,073 3,593 12,256 4,127	32, 420 5, 231 7, 776 8, 836 5, 141 5, 141 6, 826 6, 826	42, 348 4, 455 2, 410 2, 410 3, 583 6, 384 6, 384 1, 899 1, 689 3, 266	36,736
DISTRICTS	First District: Gibson Pike Posey Spencer Vanderburgh Warrick	Second District: Daviess Greene Knox Martin Monroe Morgan Owen	Third Districts: Clark. Crawford Dubois Floyd Harrison Lawrence Orange Perry Scott Washington	

642 667 667 668 668 669 669 678	577 62 26 40 40 33 16 16	227 15 17 13 13 17 17 17 17 25 25	196	822238	265
120 108 108 117 117 114 144	792 115 171 94 131 106	925 23 105 109 109 239 239	842	92 268 121 306 216 123	1,126
384 65 65 205 203 203 201 1110 228 228 228 228 228 228 228 228 228 22	1,965 176 295 190 282 325 1,190	2,458 198 78 230 447 153 335 435 573	2,057	96 464 266 531 336 282	1,975
8.000 44 4 8.00 00 00 00 00 00 00 00 00 00 00 00 00	43. 6. 2. 4.6. 7. 4. 7. 3. 7. 3.	96. 12.9.55.1 9.9.53.0.20.0.55.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0	42.9 52.6	49. 46.1 52.9 41.4 58.5 45.8	47.5
27.24.28.28.49.49.49.49.49.49.49.49.49.49.49.49.49.	65.9 73.5 89.4 60. 71.1 52.5 65.1	67.1 67.1 67.2 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6	83.	59. 611.3 54.7 74.2 70.8	8.79
282.2 282.2 611.2 611.6 511.0 63.5 63.6 84.6 63.6	54. 65.7 65.7 76. 44.9	49.1. 66.2 85.9 88.9 88.6 9.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7	55.3	60.1 72.4 58.5 60.3 64.3	63.9
8.8.11.8.8.12.8.13.8.13.8.13.8.13.8.13.8	16.8 28.4 16.9 12.3 13.9	2.2.5 2.8.4 2.9.7 2.11.2 2.11.2 2.11.2 2.11.2 2.11.3 2.11.3	21.2	17.2 19.2 16.3 18. 24.7 17.9	18.9
4 1 6 6 4 6 6 4 6 6 1 6 1 6 1 6 1 6 1 6	35, 927 6, 741 4, 411 4, 147 4, 432 6, 421 21, 315	47,467 2,5681 2,526 3,526 7,018 5,049 1,411 8,632	35,438	4, 199 111, 717 5, 109 14, 114 6, 147 4, 649	45,935
. 506 888 815 815 815 888 888 209	5, 183 912 976 600 896 705 2, 610	6,699 603 603 211 2808 1,229 706 754 746 1,642	6,199	618 1,894 717 2,162 1,220	7.320
2 2 44 2 2 2 44 2 2 2 44 2 3 3 3 3 4 3 3 3 4 3 3 4 8 8 3 5 6 6 3 1 7 4 8 1,647	30, 744 5, 829 3, 435 3, 547 3, 536 5, 716 18, 705	40,768 29,470 29,470 29,718 39,138 1,165 6,990	29,239	3,581 9,823 4,392 11,952 4,927 3,940	38,615
Fourth District: Bartholomew Bartholomew Brown Dearborn Dearborn Jeatson Jefferson Jef	Fifth District: Clay Hendricks Parke Putnam Vermillion Vigo	Sixth District: Rayette Frankin Hancock Henry Rush Shelby Union Wayno	Seventh District: Marion	Eighth District: Adams Delware Jay Madison Randolph Wells	

ENROLLMENT COMPARISONS BY GRADES—Continued

			·	
No. of One- Teacher Schools	59 26 30 27 27 21 14 14 35	88 11.0 151.0 16.0 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17	274 16 49 61 61 61 84 84 56 12 12	285
High School Graduates	130 1149 149 108 175 175 175 93	1,163 1,163 71 285 65 242 242 25 86 89	964 182 182 169 202 144 62 152	1,005
Eighth Grade Graduates	284 251 209 209 371 347 382 225	2,237 196 146 879 130 455 132 231 330	2,499 167 460 601 263 354 178 430	2,433
Per cent 4th yr. H. S. pupils are of 1st yr. H.S. pupils	04 04 05 05 05 05 05 05 05 05 05 05 05 05 05	2. 64 42 83 1.44 83 1.	38.7.7 44.8.5 31.5 50.9 57.7 7.7 7.7 7.7 7.7 7.7	41.7
Per cent 1st yr. pupils are of 8th grade pupils	77.7.7.8.9 74.7.8.8.8.1.2.8.8.1.2.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9	77.7 79.7 106.6 67.6 67.6 83.8 39.8 72.1 65.5	86.2 99. 76.6 115.9 91.8 65.6 74.3	82.7
Per cent Pupils in 8th grade are of pupils in 1st Grade	67.1 70.8 688.3 54.1 69.8 64.7 56.1	56.5 67.9 18.2 18.2 18.2 58.2 771.4 66.1	33.3 50.2 63.7 45.3 62.3 70.7	56.3
(See Note) Per cent Pupils in H. S. are of pupils in Grades	20.7 22.1 22.1 20.4 26.6 16.6 17.9	21.5 21.5 21.5 11.5 23.6 23.6 16.9	15.5 22.2 22.1 15.7 15.7 18. 23.3 21.4 18.	20.
Total Enrollment in Public School	5,177 23,398 5,808 4,291 8,592 6,367 3,496	42,397 2 664 3,102 28,014 2,555 7,255 1,840 1,874 4,514	53,844 7,344 10,666 6,416 5,660 5,644 5,644	42.023
Enrollment in High School	888 691 1,054 728 1,077 1,203 1,341 533	7,515 534 483 2,993 401 1,414 1,414 674 674 653	7,345 . 582 1,454 1,214 1,214 999 474	7.017
Enrollment in Grades	4,289 2,707 2,707 4,764 4,764 4,768 7,389 5,026 2,963	34,882 2,130 25,011 2,154 2,154 2,154 1,681 3,047 3,861	46,499 2,618 6,013 9,212 5,202 4,661 2,619 4,681 4,681	35.006
DISTRICTS	Ninth District: Boone Carroll Cinton Fourtain Fourtain Hamilton Howard Montgomery Tipton	Tenth District: Benton. Jasper. Late. Newton. Tippecance. Warren. White.	Eleventh District: Blackford. Cass Grant. Hundington Mismi. Pulaski Wabash.	

111 28 32 44 45 111 112	308 79 34 51 75 34 75	4,511
220 95 1129 1126 1100 86	756 241 119 182 143 133 272 60	1,150
898 218 85 225 175 231	1,832 599 24 415 513 344 920	3,179
49.9 54.1 64.9 64.9 34.6	51.6 38. 51.5 52.4 55.4 48.5	39.
8.2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	55.8 80.9 77.1 77.1 69.1 63.8	71.
35.2 66.3 86.9 88.9 86.9	49.7 66. 71.9 69. 54.5 76.8 39.1 53.9	61.8
25.11 25.25.33 25.13.33 25.13.33	17.2 19.7 24.8 20. 15.5 18.8 14.5 14.1	17.3
15,942 5,079 3,282 4,410 2,645 3,531	34,889 10,689 3,829 6,290 8,860 5,513 17,573 2,694	55,453
1,689 824 552 746 613	5,132 1,765 1,052 1,195 874 2,237 324	8,209
14,253 4,255 2,730 3,664 2,032 2,823	29,757 8,924 3,067 5,238 7,665 4,644 15,336 2,370	47,244
Twelfth District: Allen Allen Dekalb Lagrange Noble Steuben Whitley	Thirteenth District: Ekhart Fulton Kostensko Laporte Laporte Marshall St. Joseph	Total for State

(Note)—Since there are eight years represented in the elementary grades and only four in the high school, it follows that the number of pupils in high school (if conditions were ideal and no pupils dropped out) could never be more than one-half, or 50% of the number in all the elementary grades. The percentages indicated in this column, therefore, are in comparison to 50%. Using a 100% basis, each per cent in this column must be multiplied by 2 to give the actual percentages in comparing the number of pupils in high school with those in grades.

TOTAL NUMBER OF SUPERINTENDENTS, SUPERVISORS, AND TEACHERS EMPLOYED (RURAL AND URBAN)

	Grand		160 562 173 132 105	200 83 143 264 184	230 211 103 203 145	141 201 401 165 383	104 150 170 93 146	237 341 · 287 197 154
		Total	386 70	67 8 40 146 66	83 72 42 60 57	48 99 248 47 253	52 106 58 18 33	63 195 91 51 35
w w		Total	26 64 20 20 20	25 19 15 15	25 23 21 16	17 44 68 15 86	25 81 82 83 84 84	24 20 20 12
CITIE	chool	Supt.	12 H 12 CO	01-0100-	400	614616970	п попп	01440H
INCORPORATED TOWNS AND CITIES	High School	Super. Spec. Prin.	9 8 9	1004	फळकळक	15 119 6 6 28	401-44	71114
FED TOW		Teacher	13 62 17	20 32 10 10	35 16 10 10	12 25 47 6 6	13 13 13 9	21 4 4 1 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
RPORAT		Total	39 322 44 44	42 3 21 101 51	447 199 199 14	31 55 180 32 32 167	34 81 35 10 19	39 136 57 31 23
INCC	ntary	Prin.	21 7	4	o4⊣∞,	2 12 16	408-12	01 04 8
	Elementary	Spec.	17.73	5	200	20 1	25.1	9 11 4
		Teacher	34 294 32	88 89 89	33 443 443 448 448	25 48 148 31 151	29 67 30 9 17	34 117 52 52 26 16
		Total	99 176 103 132 45	133 75 103 118 118	147 139 61 143 88	93 102 118 118 130	52 112 75 113	174 146 196 146 119
		Total	15 21 12 52 5	22 4 32 16	26 49 55 6	28 11 46 9 15	23 4 58 6 29 62	42 28 33 41
	hool	Prin.	25 4 11 1	1001001-4		0 00004	7-10:07	∞4∞∞°
0.	High School	Super. Spec.	8 6 1	w 401	H4 :00H	9 .44 .	, ro . co	ರ ಅ ಬ ಬ ಅ
TOWNSHIP		Teacher	10 13 8 32 32 32	45 23 23 23 25 25 25 25 25 25 25 25 25 25 25 25 25	20 37 17	13 88 33 11	11 13 19	23 14 18 22 22 29
Ţ		Total	84 155 91 80 40	111 71 76 86 102	121 90 61 118 82	65 91 107 109 115	34 40 89 69 84	134 122 167 111 78
	Elementary	Prin.	88988	7-4	17 7	10.	7.40	4 : :000
	Elem	Spec.	27	1 40	: : : : : : : : : : : : : : : : : : :	7 20	1 4	
		Teacher	82 151 84 74 38	110 71 65 80 102	104 83 61 109 82	60 90 109 108	33 38 79 62 77	129 121 167 97 66
		COUNTY	Adams Allen Bartholonew Benton Blackford	Boone. Brown. Carroll Cass. Clark.	Clay Clinton Crawford Daviess. Dearborn.	Decatur Dekalb. Delaware Dubois. Elkhart:	Fayette Floyd Fountain Franklin Fulton	Gibson Grant. Greene Hamilton. Hancock

195 171 232 250 240	193 134 170 157 126	166 361 221 130 860	357 245 431 1,715	108 213 221 274 175	98 170 32 147 121	159 156 175 175 156	121 171 220 151 150
28 16 90 149 104	66 42 64 21 21	67 153 49 14 770	165 96 269 1,495	288820	35 13 19 19	16 39 48 58	15 48 38 41 38
13 28 88 41 41	25 17 10 10	26 39 20 6 143	38 77 377 28	25 26 27 21 21	118 222 55 8	15 10 10 16 25	7 119 118 113
=======================================		, maran	C1 C1 44 : W	C100 : C1	₩ ₩	-010	-01010-
01216	82430	6 7 7 14	8 E 01 L 11	46000	m-110-100	00410400	01400c
20 20 20 20 20 20 20 20 20 20 20 20 20 2	7 6 13	18. 31 10 3 123	28 22 370 14	24 118 113 113	7 E E E E E E E E E E E E E E E E E E E	3 6 7 10 13	4EE & 0
15 9 02 111 63	25 33 11	411 1114 29 8 627	127 69 192 1,118	923	17 32 8 8 33 11	9 24 111 332 33	23 32 8 52 33 8 8 8
110011	60 67 60 44	82 8 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	10 6 119 76		:co :===		H400 4
3252	401	38	14 6 12 104	6 11 9	7 6	1 : 12	
14 25 25 25 25	1833	31 98 25 8 557	103 57 161 938 27	33670	17 27 8 8 30 10	25.27.28.8 28.27.28.8	82228
167 155 142 101 136	127 92 106 112 105	99 208 172 116 90	192 114 162 220 138	88 215 123 196 117	63 116 19 87 102	143 117 133 127 98	106 123 164 110
23 36 45 46 46	24 10 12 19 25	42 64 51 36 14	20 20 32 32 32 32 32 32 32 32 32 32 32 32 32	26 111 777	26	35 20 20 20 16	20 35 69 7 41
100	7 8 4 10	211 112 8	. 12 8 8 14 8	12 2 4	02: -400	8 7 7 4	133
-i-04	4 6 1	13 25 7	151 121 121 131 131 131 131 131 131 131 13		C) C) (C)	918	11714
15 45 26 26 37	13 15 13 14	22 23 23 6 6	22 114 123 171	19 19 6 57 13	16	27 14 7 18 9	41 36 36 42 42 43
144 99 97 96 90	103 82 82 89 80 80	75 121 121 80 76	143 126 142 167 105	85 99 112 119 96	54 90 119 87 85	108 96 113 98 82	88 88 95 103 71
1207	9 : : 1	242 :51	1005	10	4	11 11 19	4
		: : : : :	39	6161	7	- : - :	co
144 91 58 90	97 88 88 80 80	55 137 116 70 52	104 124 130 136 105	85 87 110 99 96	54 19 87 85	96 96 112 96 66	88 88 103 69
Harrison. Hendricks Henry Howard Huntington.	Jackson Jasper Jay Jefferson Jennings	Johnson Knox Kosciusko Lagrange Lake	Laporte Lawrence Madison. Marion. Marshall.	Martin. Miami Monroe. Montgomery. Morgan.	Newton Noble Ohio Orange Owen	Parke. Perry Pike. Porter	Pulaski. Putnam Randolph Ripley Rush.

TOTAL NUMBER OF SUPERINTENDENTS, SUPERVISORS, AND TEACHERS EMPLOYED (RURAL AND URBAN)—Continued

Grand Total			67 193 172 96 96 685	130 223 83 83 284 , 110	60 479 204 687	204 92 191 156	332 169 162 140	20,707
INCORPORATED TOWNS AND CITIES	Total		17 65 40 29 552	30 52 28 147 33	33 398 71 464	79 12 46 49	175 41 36 42	9,716
	High School	Total	9 16 17 111 85	18 11 14 13	15 82 17 17	26 16 21	47 17 16 23	2,792
		Supt.		20000-		21-214	07 H 07 CD	190
		Super. Spec. Prin.	4100040	V 9 8 4 H	\$000 mo	∞-14-0 	2 6 112	524
		Teacher	10 6 6 76	9 7 7 11	7.9 12 81	31 01 11	84 0 0 0 0	2,078
	Elementary	Total	8 23 18 467	12 30 17 103 20	18 316 54 373	53 28 28	128 24 20 20 19	6,924
		Prin.	1 1 2 2 2 2 2 1	4-100	17 5 34	666-4	11 3	529
		Spec.	511	2001	34.2	4 -60	=- : :	478
		Teacher	37 20 17 395	12 25 15 16 16	18 290 47 305	27 6 23 23	106 20 20 13	5,917
	Total		50 128 132 67 133	100 171 55 137	27 81 133 223	125 80 145 107	157 128 126 98	10,991
TOWNSHIP	High School	Total	24 15 15 15	31 32 59	29	36 13 4	22822	2,331
		Prin.	—∞cccc	10012		10 8 9 1	11.97	575
		Super. Spec.	⊕ ∞ . 4	4	12	0000	421	296
		Teacher	10 10 8	22 22 43 14	23 20	24 7 10 3	22 14 20 15	1,460
	Elementary	Total	47 104 117 55	69 139 78 78 59	22 81 104 182	89 67 123 103	105 103 98 75	8,660
		Prin.	100 114	7 2	35	7	12	373
		Spec.	75	m	c1 co co	6	4-4	177
		Teacher	42 94 103 55 113	69 137 55 68 68	20 78 89 147	73 66 122 103	79 102 94 75	8,110
COUNTY			Scott Shelby Spencer Starke St. Joseph	Steuben. Sullivan. Switzerland Tippecanoe. Tipton.	Union. Vanderburgh. Vermillion. Vigo.	Wabash Warren Warrick Washington	Wayne Wells White Whitley	Totals

INDIANA STATE TEACHERS' RETIREMENT FUND

BOARD OF TRUSTEES

DR. T. C. HOWE, Indianapolis, President.
JAMES M. LARMORE, Anderson, Vice President.
FLORENCE CASE, Marion, Secretary.
EBEN H. WOLCOTT, Indianapolis.
DONALD DuSHANE, Columbus.

ESTES DUNCAN, Executive Secretary. ROXIE REESE, Clerk.
E. K. SHUGERT, Bookkeeper.
MARIE CONOVER, Stenographer.

On August 1, 1921, the Teachers' Retirement Fund Act of 1915 became inoperative. The 1921 Act succeeded.

The department has provided forms for the transaction of business; has arranged for the report of employing officials of the state; has urged the payment of arrearages under the old law which is being heeded by many teachers.

Much interest is manifested by the teachers over the state and we are expecting an increase of between four and five thousand this year.

October 1, all annuitants were paid up to date. The department is bound to grow rapidly in numbers and funds.

CONDITION OF TEACHERS' RETIREMENT FUND SEPTEMBER 30, 1921 RECEIPTS

Securities on hand July 31, 1921\$262,232 80 Balance state appropriation from auditor 16,000 00 Interest on arrearages 156 99 Interest on deposits 61 08 Interest on investments 518 75 Total receipts and balance \$299,759 30 DISBURSEMENTS \$1,089 63 Annuities 36,385 97 Total disbursements 37,475 60 Secretary's balance September 30, 1921 \$262,283 70

REPORT OF PUBLIC SERVICE COMMISSION

Part One

MEMBERS

JOHN W. McCARDLE, Chairman.

GLENN VAN AUKEN, Commissioner. GEORGE M. BARNARD, Commissioner. MAURICE DOUGLASS, Commissioner. EDGAR M. BLESSING, Commissioner.

L. CHESTER LOUGHRY, Secretary.

HEADS OF DEPARTMENTS

H. O. GARMAN, Chief Engineer. HARRY BOGGS, Chief Accountant. A. B. CRONK, Chief of Tariff Department. D. E. MATTHEWS, Chief Railroad Inspector. FRANK B. FARIS, Examiner and Librarian. CARL WILDE, Director of Service.

LIST OF EMPLOYES

ENGINEERS

Earl L. Carter Karl W. Behr S. T. Beeker Wm. F. Habney W. F. Lebo H. W. Abbett E. C. Read D. W. Hufferd A. O. Admire D. C. Pyke C. B. Feasev H. A. Johaningsmeier

ACCOUNTANTS

W. P. Bidgood Laurence Carter E. C. Abell

E. J. Kastner

Llovd O'Connell L. D. Bledsoe Malcolm Lucas W. J. Stoutenburg

INSPECTORS

J. Q. Martin

Ray Gibbens

J. F. Geiger

TARIFF DEPARTMENT

H. S. McNeely

STENOGRAPHERS, REPORTERS AND TYPISTS

Martha Kaplan
Ida Drosdowitz
Ruth Bills
May Bolton
Bess Beal
Anna Glaska
Ophelia Jones
Nellie Waskom
Alice Nichols
Bertha Walker

Faye Marshall
Veva Pitsenberger
Lois Bremgle
Kathryn Switzer
Frances Lang
Mary Boles
Estella Sanford
Helen Fussner
Opal Ford
Anna L. Evans

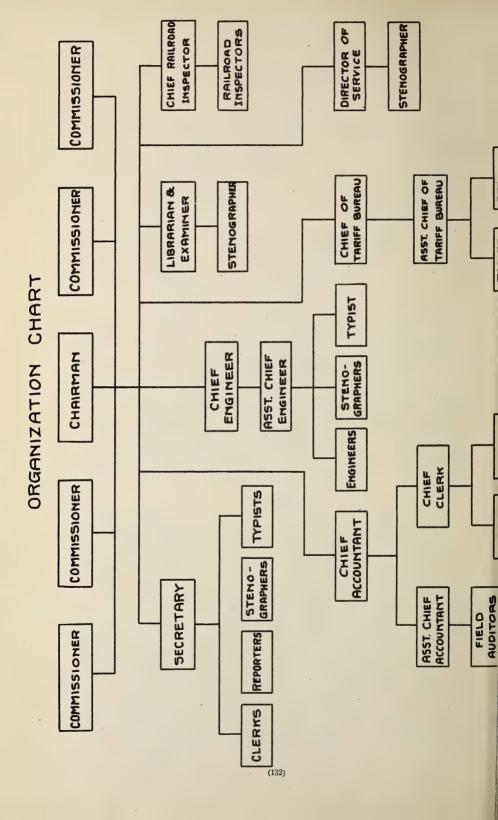
ORIGIN

The Public Service Commission of Indiana was established in 1913 (Acts 1913, p. 167), and began operation May 1, 1913. It superseded the Railroad Commission of Indiana, which was established in 1905 (Acts 1905, p. 83). Under various railroad laws, it has general jurisdiction over the rates and service of railroads, both steam and electric, and railroad matters affecting public safety. Under the Public Service Commission Act it has still broader powers over public utilities. The term "public utilities" includes street or interurban railway, telephone, telegraph, heat, light, water, power, elevator and warehouse utilities, whether privately or municipally owned. The Commission's powers over public utilities include the regulation of public utility rates, service, securities issues, and the consolidation, purchase or lease of public utilities.

REORGANIZATION

On May 1, 1921, the Commission was reorganized with the appointment of Commissioner and Vice-Chairman John W. McCardle, (Rep.) of Indianapolis, to become Chairman to succeed Chairman Ernest I. Lewis, (Rep.) of Indianapolis, who resigned to accept an appointment as a member of the Interstate Commerce Commission; Paul P. Haynes, (Rep.) of Anderson, who resigned effective March 31, 1921, was succeeded by George M. Barnard, (Rep.) of Newcastle; Fred Bates Johnson, (Dem.) of Indianapolis, whose term expired on May 31, 1921, was succeeded by Maurice Douglass, (Dem.) of Flat Rock; Edgar M. Blessing, (Rep.) of Danville, was appointed to the remaining vacancy caused by the resignation of Mr. Lewis and took office on June 17, 1921; the term of Glenn Van Auken, (Dem.) of Auburn, expires May 1, 1923.

On May 1, 1921, the staff of the Commission was reorganized. L. Chester Loughry of Monticello was appointed Secretary of the Commission to succeed Frank P. Litschert who filled the unexpired term of Carl H. Mote. H. O. Garman of Indianapolis was retained as Chief Engineer; Harry Boggs was retained as Chief of the Accounting De-



partment and A. B. Cronk was retained as Chief of the Tariff Department. Carl Wilde was appointed Director of Service to succeed Munson D. Atwater. D. E. Matthews was retained as Chief Railroad Inspector.

On October 1, 1921, Frank B. Faris of Indianapolis, Assistant Librarian and Examiner, was appointed Examiner and Librarian to succeed Robert D. Armstrong, who resigned effective October 1, no successor being appointed for Mr. Faris.

The organization of the staff of the Commission is illustrated by the chart on page 132.

In the interests of economy the report of the Commission will not be so voluminous as in past years, there being omitted the discussion of the various elements of rate making such as "return," "depreciation," etc.

The report of the Commission is composed of two parts: Part One outlining the work of the Commission in general, and containing the reports of the departments; Part Two, preceded by an index, is made up of tables of statistics.

WORK OF THE COMMISSION

IN GENERAL

During the past fiscal year the work of the Commission has been somewhat lighter than that of the preceding fiscal year. As shown by the following tables 638 formal cases were closed last year as against 856 the year before. Only 89 cases are pending as of September 30, 1921, whereas on September 30, 1920, there were 189; on the same date in 1919 there were 173 and in 1918, 152.

The following tabulation shows the condition of the formal docket during the year:

FORMAL DOCKET

Cases pending September 30, 1920 189 Cases filed September 30, 1920, to September 30, 1921 538
Total cases pending during fiscal year
Cases pending September 30, 1921

Table IV (infra) contains a complete list of all cases pending September 30, 1921.

The following table shows the number of formal cases on the Commission's docket at various times since its reorganization on May 1, 1917.

May 1, 1917 566	
January 1, 1918 324	
May 1, 1918	
September 30, 1918	
January 1, 1919, 152	
February 1, 1919	
March 1, 1919	
April 1, 1919	

May 1, 1919	
September 30, 1919	 176
September 30, 1920	
September 30, 1921	

The following table compares the work of the fiscal years 1918, 1919, 1920 and 1921:

FORMAL DOCKET

Average				
1913-1917	1918	1919	1920	1921
Pending at beginning of fiscal year 432*	235	152	173	189
Filed during fiscal year	774	654	872	538
Total pending during fiscal year1170	1009	806	1045	727
Closed during fiscal year 604	857	633	856	638
				
Pending at close of fiscal year 566	152	173	189	89

During this fiscal year the break in costs of labor and material entering into the construction and operation of public utilities, occurred. It was during the fore part of this fiscal year that prices reached the maximum upward limit. It is some satisfaction to make the observation that prices of materials and labor have started on the decline which ultimately will result in better public utility service, a more liberal policy of making public utility extensions and finally a reduction in rates commensurate with the reduction in cost of utility service.

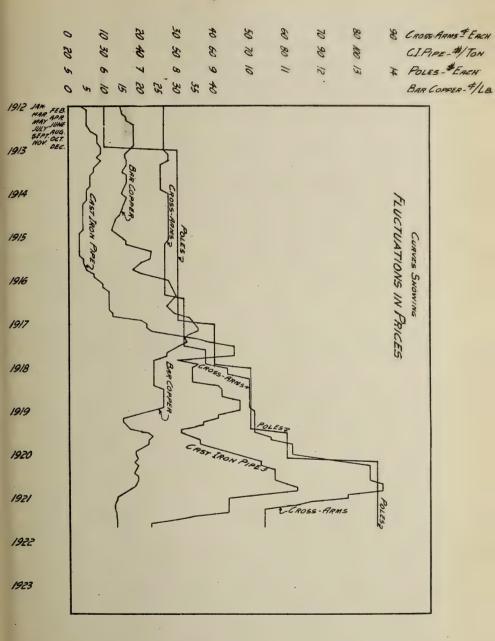
Much was said during the past four years when prices were rising that there would be a time when prices would pass the peak, then decline and finally reach a new normal, higher than the alleged pre-war normal. We are now able to see that there is no such thing as a normal price. It has been found by experience that there was no pre-war normal and the indications are that there will be no post-war normal and the practice of making valuations based upon certain alleged normals and alleged trends is a will-o'-the-wisp. Prices are yet chaotic but they are upon a general decline. Engineers and experts in valuation matters who have appeared before this Commission and its engineering department never have agreed and probably never will agree upon what constitutes a normal price or trend price as of any period or time. We have found by experience that the figures which give the greatest assistance to the Commission are those reflecting costs when the items of property were new, and other figures reflecting costs based upon definite and specific averages, and still other figures reflecting spot prices as of some particular time.

The chart on page 135 shows by curves the fluctuations in prices of various commodities from 1912 to date.

SECURITIES ISSUES

During the fiscal year the Commission has authorized the issuance of \$1,827,099 of bonds by municipally owned public utilities and stocks, bonds and notes of privately owned utilities in the sum of \$19,340,436,

^{*}This is the average for the four years ending May 1, 1917.



a grand total of \$21,167,535. In all instances except one the rate of interest on municipally owned utility bonds was 6 per cent as against an average interest rate during the last fiscal year of 5.705 per cent. A complete list of all securities authorized will be found as Table 3 (infra). Privately owned utility bonds bore from 5 per cent to as high as 8 per cent. The average rate of interest on privately owned utility bonds authorized during the past fiscal year was 6.14 per cent. Some of the largest bonds issues were those by the Indiana Power Company, No. 6026, June 8, 1921, \$1,250,000; Merchants Heat and Light Company, No. 5915, February 19, 1921, \$700,000; Public Utilities Company of Evansville, No. 4309, February 18, 1921, \$1,736,000; Southern Indiana Gas and Electric Company, No. 4309, April, 9, 1921, \$1,420,000, and Indiana Railways and Light Company, No. 6058, June 10, 1921, \$420,000.

In several cases the Commission has directed utilities to amortize out of gross income the discount suffered in the sale of stocks and bonds. (Re Hydro Electric Light and Power Company, No. 5834, December 28, 1920; Re Merchants Heat and Light Company No. 5799, December 4, 1920.)

In Cause No. 5856, February 25, 1921, the American Telephone and Telegraph Company was authorized to acquire and hold all, or any part, of the common stock of the Indiana Bell Telephone Company, aggregating \$3,588,800, the issue and sale of which was authorized in Cause No. 5854, February 23, 1921.

In several instances, among which was that of the City of Frankfort, Cause No. 5843, March 4, 1921, sinking funds were ordered created for the redemption of bonds as they may become due.

CONSOLIDATION AND SALE

During the past fiscal year the reorganization of utility properties has not been of the magnitude of the preceding year.

The *Interstate Public Service Company* was authorized to purchase, and the following companies were authorized to sell all of the corporate assets of the selling companies in return for stock of the purchasing company in the following amounts:

	Common	Preferred
United Gas and Electric Company	\$200,000 00	\$575,000 00
New Albany Water Works Company	100,000 00	250,000 00
Louisville and Southern Indiana Traction Company	130,000 00	525,000 00
Louisville and Northern Railway and Lighting Company	550,000 00	400,000 00
Central Indiana Lighting Company	150,000 00	250,000 00

(Causes Nos. 5893, 5894, February 25, 1921.)

Two steps in the program of the Interstate Public Service Company were taken in the preceding fiscal year when, in Cause No. 5070 on January 3, 1921, it was authorized to purchase the property of the Franklin Water, Light and Power Company and in Cause No. 5216 on April 2, 1920, it was authorized to purchase the property of the Indiana Public Service Company, which owned and operated gas, electric and water utilities in Aurora. Practically all of the stock of both these companies was already owned by the Interstate.

In winding up the reorganization of the Interstate Public Service Company the value of the stock of the Louisville and Southern Indiana Traction Company, the Louisville and Northern Ruilway and Lighting Company and the Central Indiana Lighting Company was found for the purpose of fixing the payment to non-consenting stockholders. (No. 5894, Supplemental Order, April 1, 1921.)

In Cause No. 5596, November 9, 1920, the Gary Connecting Railroad was authorized to purchase all the property known as the Gary Connecting Railroad Division and to pay for the same through the issuance of stocks and bonds aggregating \$\$47,000, face value.

There have been no telephone consolidations or mergers having the general interest of those of the year before.

The largest consolidation which was proposed during the last fiscal year was that of the Indiana Electric Corporation whose petition was filed on August 11, 1921, wherein it asked authority to purchase the properties of the Merchants Heat and Light Company, the Indiana Railways and Light Company, the Elkhart Gas and Fuel Company, the Valparaiso Lighting Company, the Wabash Valley Electric Company, the Putnam Electric Company and the Cayuga Electric Company and for authority to issue and sell securities for acquiring said properties. Securities in the sum of \$21,062,000 were proposed to be issued by the Indiana Electric Corporation. Two questions presented themselves to the Commission: First, whether the value of the property involved was sufficient to warrant the carrying of burden bearing obligations in the amount which the company thought necessary to consummate the purchase; second, whether said properties would earn enough gross income to pay the fixed charges upon such obligation. The commission found that there was not enough fair value in the properties sought to be purchased to warrant the assuming and issuing of the amount of securities bearing fixed charges which the petitioner thought necessary to make the purchase, to say nothing of other capital obligations; and that the gross income from the properties would not be sufficient to discharge the payment of interest upon such fixed obligation. petition was accordingly denied.

One of the most important orders on valuation during the past fiscal year was that of the La Porte Gas and Electric Company (Nos. 5398 and 5399, December 22, 1920). In that order it was held that the surest and most equitable method of insuring stability of values is to consider a prudent investment as the primary factor of value, since the investment principle insures the utility against the evil effects of recurrent fits of economic fortune, which, under any other theory of valuation, must in varying degree be suffered by public service companies.

Another feature of that order was the discussion of the "market value" rule. The Commission held that it is obvious that the "market value" of public utility property cannot be accepted as the measure of value, for the elements which determine the "market value" of property include its business and financial condition, its earning ability, the nature and usefulness of its physical property, and various other less important elements, and the "market value" rule as applied to public utility valua-

tion would be a reductio ad absurdum, for "market value" depends chiefly on earnings, and earnings depend on rates, and rates depend on values.

In that case Commissioners Lewis and McCardle concurred with Commissioner Haynes; Commissioner Johnson concurred in the order but not in the opinion, and Commissioner Van Auken dissented.

RATES OF PARTICULAR UTILITIES

STREET RAILWAY RATES

The most difficult street railway rate problem with which the Commission has had to cope has been that of the Indianapolis Street Railway Company, where the Commission through conferences and investigations has sought to bring about a solution.

The Inspection Department of the Commission in order to determine the effect of "jitney" competition upon the street railway, took two counts of two days each to find the number of passengers carried by "jitneys."

The report of the Inspection Department to the Commission shows that on May 20 and 21, 1921, a total of 43,099 passengers were carried by the "jitneys" making a daily average of passengers carried 21,550 with an average daily revenue of \$1,077.50 or a yearly revenue of \$393,287.50. On June 30 and July 2, 1921, another test was made. This shows a total of 58,890 passengers carried in the two days, an average of 29,445 per day at an average revenue of \$1,472.25 per day or \$537,371.25 per year.

VALUATION

Table V (infra) contains a complete table of appraisals and estimates made by the Engineering Department of the Commission during the fiscal year for the use of the Commission in fixing the value of public utility property.

Under the report of the Engineering Department will, also, be found a discussion of the methods used by that department in making an appraisal upon which a valuation is based.

REPORTS OF DEPARTMENTS

ENGINEERING DEPARTMENT

Kind of Utility		Total for Period Oct. 1, 1920 to Sept. 30, 1921	Grand Total
Electric Electric railway Gas. Heating Telephone. Water	54,198,263 37,740,289 5,084,115 42,145,609	\$6,591,265 2,677,529 17,664,853 583,9541 10,147,090 \$39,160,214	\$49,824,267 56,875,792 55,405,142 5,668,051 43,641,150 35,825,354

During the past fiscal year less property was valuated than during the fiscal year immediately preceding. This is explained by the fact that there is more activity and more necessity for valuations when there is more reason for contention. When operation costs are rising, the operators of the property are continually petitioning for increases in rates. When operating costs are falling the consumers are continually petitioning for a reduction in rates, and since it occurred in this fiscal year that the peak was passed, that is, when we passed from a period of rising costs to a period of falling costs there was an interval in this fiscal year where the costs remained comparatively stable. While this temporary stability of prices held, neither side made much effort for a change in rates, each one realizing that a change in conditions was taking place and that petitions for increases or decreases in rates could not well be sustained because of the inability to predict what might happen over a reasonable period of time in the future, for which the rates would be effective.

It may be expected that as costs of operation continue to fall, petitions for decreases in rates will become more numerous which will in turn increase the necessity for valuations for various purposes.

At times like these when public utility properties have units of property in them which have varied in prices as much as 300 per cent, it is very necessary to include in each appraisal an explanation of the methods of pricing used.

The following explanation of the methods of pricing used during the past fiscal year is typical.

LAND

The staff of this Commission appraises land by obtaining data in the following manner: We find people who are familiar with property values in the immediate vicinity of the land to be priced. We gather information from the class of people who are inclined to be conservative in their estimate of land values, such as bankers, and we also interview the class of people who are inclined to be optimistic and forward looking concerning land values, such as real estate dealers. After having gathered data from all of these sources (from four to six sources as a minimum), we reduce these estimates to a common basis, as, for instance, front foot, square foot or acre. After weighing the abilities of the various parties from whom information was obtained, a figure is adopted by the engineer having this part of the work in charge.

TRANSMISSION AND DISTRIBUTION

Because of various kinds of material entering into this division of the report, different methods were used in obtaining the prices. We have prices of cast iron pipe running back as far as 1885, and it is easy to get any kind of an average price or present day price desired. With valves, fittings, hydrants, etc., prices over extremely long periods of years are difficult to obtain because the types of manufacture change

and improvements are made. About the best that can be done relative to this kind of material, is to obtain actual original cost new or prices averaged over a comparatively short span of years. Where utilities are located in industrial communities where many extensions were made during the war period for the purpose of serving the munition industries the actual unit cost of these properties will run higher than the original unit cost new of utility properties located in communities where few extensions were made necessary on account of the lack of industrial activity for munition purposes. In order to be fair and reasonable we usually made a study of the plant additions made each year. Assuming the value of the property to be 100 per cent, we determine the proportion of the property now in existence that has been added each year. In this way we are able to reasonably determine the relationship between the unit costs new of the property, and certain other unit costs averaged over certain periods of years, and the present day unit costs. Necessarily we are compelled to use some kind of average costs, because in most cases it is impossible to determine the weighted average cost to any company of cast iron pipe. It is impossible to prevent the influence of present day prices from creeping into the report, because present day prices are most available, and we believe that, conservative as we try to be, our valuation is somewhat, but not unreasonably, higher than the original cost new of the property.

BUILDINGS AND MISCELLANEOUS STRUCTURES

Buildings may be priced on various bases such as square feet of ground occupied, square feet of floor in the building, cubical contents of the building or a detailed estimated cost of all materials entering into the construction of the building. In most cases we are unable to get the actual original cost new of the building because the records are not available. Many times the building has been constructed in sections at different periods of time with different unit prices prevailing, and at other times we find the buildings have had extensive alterations made to adapt them to new machinery or equipment, all of which usually makes it impossible for us to get any kind of an average cost of the building. In cases of this kind the Engineering Staff works out an estimated cost of reproduction new of the building as a whole, as it now stands, including all of its additions and alterations and using an assumed set of unit prices which will give a total which would be ample for the reconstruction of the building new under conditions and circumstances similar to those which obtained when this particular building was constructed. The same principles of pricing are followed in the valuation of miscellaneous structures as are followed in pricing the buildings.

PLANT EQUIPMENT

Plant equipment, such as engines, boilers, pumps, etc., is priced after making a study of the actual original cost new as indicated by the contracts and specifications (when available), the cost of similar

equipment purchased at about the same time, and the present day cost of similar equipment. We finally apply a figure which we consider ample to reproduce each piece of equipment under the approximate circumstances and conditions obtaining during the time these pieces of equipment were purchased and installed.

GENERAL EQUIPMENT

General equipment, such as automobiles, trucks, office furniture and equipment, shop tools, etc., having a much shorter life than other elements of value in this property, is priced at unit prices which reflect much more nearly present day prices. In some cases they are present day prices; in others the prices are from one to five years old. In any case, however, they are prices that are comparatively recent.

PAVING

We endeavor to determine in each case the amount and kind of paving actually cut, and put upon these items a price which is substantially a five-year average cost. In no case do we allow cost of cutting pavement where the pavement was put down subsequent to the laying of the water mains and service pipes. All pavement cut to repair water mains and service water pipes should be paid for out of the maintenance fund and is an operating expense, and not a capital charge and is therefore excluded from the report.

MATERIALS AND SUPPLIES

The item of materials and supplies is a list of the average quantity of supplies which it is necessary to keep on hand in the operation of the property. These supplies are purchased more or less currently, and, of course, are purchased at prices more nearly current or up to date. The list of materials and supplies is not necessarily the materials we find when we visit the property but is a list of materials and supplies which is carried by the utility on an average over a period of twelve months' time. In most cases the prices applied to the materials and supplies listed are the prices at which the supplies were purchased.

STRUCTURAL OVERHEAD CHARGE

There is another item of cost of physical property that must be added to all of the property items referred to above. We call this item structural overhead expense, because it is an overhead expense which applies to structures. The different elements of cost in this structural overhead expense apply to different parts of the property in varying amounts, but we find it practicable to introduce it in a lump sum. The structural overhead percentage is not applied to the item of material and supplies because these quantities have not entered into the property. We have submitted in this report an amount equal to 12 per cent on the total of all items exclusive of materials and supplies, which we con-

sider only a tentative figure. If the evidence shows that this cost was paid out of operating expenses by the company, we suggest that it be eliminated, and if the evidence shows beyond the shadow of doubt that more than this much was spent and that it has not been included in any of the unit prices, then this percentage should be increased. It is shown only for the purpose of calling attention to the fact that such an item as this exists, and should be taken care of, and is introduced in the amount of 12 per cent as being the approximate residue of such items as may not have been included in the unit prices. The item of structural overhead cost should include such cost as engineering, superintendence, interest during construction (taxes during construction, fire and liability insurance, small omissions of) inventory, contingencies, etc.

In conclusion, the Engineering Department has found that the rules and standards of service for electrical utilities, approved by the Commission in Cause No. 5344, and the rules and standards of service for artificial gas utilities, approved by the Commission in Cause No. 5172, and the rules and standards of service for central station hot water heating plants, approved by the Commission in Cause No. 4082 have proved to be of great assistance to the public, to the utility operators and to the Commission Engineers in standardizing public utility service. Electric light and power service is being extended more and more into the rural districts where telephone service has usually preceded it. Some difficulty is now being encountered concerning the location of the pole lines on the highways and also difficulty arising from inductive interference. The Engineering Department is now formulating a set of rules and standards for wire crossings and electrical interference.

ACCOUNTING DEPARTMENT

The industrial depression which started during the latter part of the year 1920, coupled with the general tendency of business to return to a normal level, is reflected in the annual report of this department for the fiscal year 1920-1921.

The demand for audits and financial investigations for rate making purposes has decreased materially, thus enabling this department to broaden the scope of its examinations to a greater degree than was possible during the war period. The average number of pages per audit during the fiscal year 1919-1920 was eighteen while the average pages per audit during the fiscal period 1920-1921 was thirty-seven.

Following is a summary of the audits made in the various periods of time since the inauguration of this department:

Months	of	Number of audits	Per cent of audits	Average per month
July 1, 1913, to September 30, 1917	51.6	136	13.3	2.67
October 1, 1917, to September 30, 1918	12.1	185	18.1	15.42
October 1, 1918, to September 30, 1919	12.1	193	18.8	16.08
October 1, 1919, to September 30, 1920	12.1	347	33.9	28.92
October 1, 1920, to September 30, 1921	12.1	163	15.9	13.58
Total 99	100.0	1,024	100.0	10.34

Of the 1,024 audits made, the various classes of utilities are represented as follows:

	Prior to	Present	
00	ct. 1, 1920) year	Total
Electric light and power	237	41	278
Electric railway	38	5	43
Gas	77	24	101
Heating	26	9	35
Telephone	415	59	474
Warehouse	1	-	1
Water	67	24	91
Steam railway		1	1
• /			
Total	861	163	1,024

TARIFF DEPARTMENT

During the past year there have been a number of changes of a general nature in the rates applicable to steam and interurban railways. This has caused a great many tariffs of such carriers to be filed with the Commission. The work of indexing and filing these tariffs has been heavy. In addition there have been a great many changes in utility rates and the schedules and rate sheets of these utilities have been gone over carefully, checked against the order authorizing their filing and passed to the files.

The activities of the Tariff Department, in addition to the routine work of the office, have covered a variety of subjects connected with the adjustment of rates both of the steam and interurban carriers. The work of presenting the St. Paul-Minneapolis adjustment, elsewhere referred to, has been accomplished by this department. The chief of the department acts also in the capacity of examiner for the Commission, particularly in cases involving transportation matters. Because of the injunction of the United States District Court, jurisdiction of the Commission in steam railroad transportation matters has been suspended and a large number of formal cases of this character are being carried on the Commission's docket without action.

RAILROAD RATES

In the last annual report attention was called to the fact that the Interstate Commerce Commission had authorized the steam railroad carriers in this state to increase their freight rates 40 per cent and passenger, milk and cream rates 20 per cent. Attention was also called to the fact that the Public Service Commission of Indiana in passing upon a like application for authority to increase intrastate freight and passenger rates granted authority to increase freight rates only 33 1-3 per cent (on certain commodities the increase authorized was only 10 per cent and no increase was authorized on brick and burnt clay products taking brick rates); no increase was authorized on passenger fares.

On October 16, 1920, the steam carriers operating in the state of Indiana filed their petition with the Interstate Commerce Commission stating that they had applied to the Public Service Commission of

Indiana for the same general increases in rates, fares and charges on intrastate traffic in Indiana as had been permitted on interstate traffic in the proceeding entitled Ex Parte 74, 58 I. C. C. 220, and 302, but that the Indiana Commission had allowed such increase only in part. It was further stated that as a result of this action of the Public Service Commission an unlawful relationship as between the intrastate and interstate transportation charges was brought into existence. Subsequently, the Interstate Commerce Commission instituted a proceeding to investigate the situation and on January 28, 1921, approved its order in Cause No. 11894, entitled Indiana Rates, Fares and Charges, 60 I. C. C. 337.

The Interstate Commerce Commission found in this order and the opinion therein that the rates, fares and charges fixed by the Public Service Commission of Indiana in its Order No. 5457 for intrastate application in Indiana, except rates on coal for distances of less than thirty miles, subjected persons and localities outside the state to undue prejudice and disadvantage and resulted in unjust discrimination against interstate commerce. The carriers were then directed to apply to intrastate traffic in Indiana the per cent of increases authorized in Ex Parte 74, supra, for interstate traffic.

Immediately upon announcement of the order of the Interstate Commerce Commission the Public Service Commission of Indiana filed a suit in the District Court of the United States to set aside the order. Shortly after this suit was filed the railway companies applied to the same court for an injunction restraining the Indiana Commission and certain officers of the state from interfering with the application of the order of the Interstate Commerce Commission and from taking steps to enforce its order in Cause No. 5457 or exercising its jurisdiction under the Indiana laws.

Upon a hearing held on this application an interlocutory injunction was issued as prayed. No further steps have been taken in these two cases for the following reasons: A similar situation arose in Illinois with respect to freight and passenger rates in that state. A similar situation arose in Wisconsin with respect to passenger fares. In both of these states the matter was tried out in the United States District Courts of those states and permanent injunctions were issued against the state authorities. Both cases are now pending on appeal to the Supreme Court of the United States where they have been briefed and argued. It is anticipated that the cases will be disposed of prior to January 1, 1922. As to the Indiana situation it was agreed that the cases here should be disposed of on the principles laid down by the Supreme Court in the Illinois and Wisconsin cases. The Public Service Commission is on the brief amici curiae filed in the cases before the Supreme Court on behalf of the railroad and utility commissions of forty-two states.

In granting the interlocutory injunction it has been felt that the order of the Federal Court was too broad in that it prohibits the Indiana Commission from exercising any jurisdiction over intrastate railroad rates under the Indiana law, whereas there are many rates in this state over which jurisdiction might be exercised without violating the

provisions of the *Transportation Act of 1920* under which the injunction was issued. The Attorney General, therefore, has made application to the United States District Court for a modification of the injunction order so as to permit the Indiana Commission to exercise its jurisdiction under the Indiana law in those cases where no relationship between the Indiana intrastate rates and the interstate rates is involved or in those cases where the provisions of the *Transportation Act of 1920*, but for the injunction, would leave the Indiana Commission free to act. This application of the Attorney General has not yet been passed upon by the United States District Court.

RATES FROM INDIANA TO THE TWIN CITIES

The annual report for 1920 with respect to the adjustment of freight rates from Indiana points to Minneapolis and St. Paul contains the following paragraph:

"Immediately after Federal Control was relinquished on March 1, 1920, the Public Service Commission of Indiana and the Indiana State Chamber of Commerce filed their joint petition with the Interstate Commerce Commission, bringing before that body the discriminations complained of in the St. Paul-Minneapolis adjustment. Hearings have been held and a mass of evidence introduced, but briefs have not yet been announced. Every indication points to the fact that some relief will be accorded the Indiana shippers in this respect."

Subsequently briefs have been filed and a tentative report rendered by the Interstate Commerce Commission. The tentative report fully sustains the position of the Commission and the Indiana State Chamber of Commerce and directs the carriers to apply rates from Indiana points to the destinations in question which are relatively on an equality with rates from Illinois. The tentative report approves certain increases in the rates from Illinois territory but requires material reductions in the rates from Indiana. The matter is set for argument at Washington before the Interstate Commerce Commission on October 22, 1921. With a favorable tentative report it is expected that a full measure of relief will be accorded by the Interstate Commerce Commission in its final order.

Typical illustrations of the rate situation against which complaint is made are as follows:

1. The distance from Springfield, Illinois, to Minneapolis is 498 miles, from South Bend, Indiana, 494 miles. The rates for the first five classes are as follows:

1	2	3	4	5
Springfield\$1.01½	.841/2	.671/2	$.42\frac{1}{2}$.34
South Bend	1.301/2	1.02	.70	$.53\frac{1}{2}$

2. The distance from St. Louis, Missouri, to Minneapolis is 586 miles and from Indianapolis, Indiana, 592 miles. The first five class rates are as follows:

	1	2	3	4	9
St. Louis	\$1.061/2	.881/2	.71	.44	.36
Indianapolis	1.631/2	1.37	1.04	.751/2	.54

3. The distance from Mattoon, Illinois, to Minneapolis is 555 miles, from Ft. Wayne, Indiana, 558 miles with rates on the first five classes as follows:

	1	2	3	4	5
Mattoon\$1.	061/2	.881/2	.71	.44	.36
Ft. Wayne 1.5	581/2	$1.32\frac{1}{2}$	1.02	1.72	.531/2

4. The distance from Cairo, Illinois, to Minneapolis is 718 miles, from New Albany, Indiana, 704 miles with rates on the first five classes as follows:

1	2	3	4	5
Cairo\$1.35	1.10	.88	.56	.44
New Albany 1.80	1.471/2	$1.12\frac{1}{2}$.82	.62

The tentative order of the Interstate Commerce Commission, if adopted, would bring the above competitive rates to a level by increasing the Illinois rates and by decreasing the Indiana rates.

RAILROAD INSPECTION DEPARTMENT

The following is a summary of the work of this department for the year ending September 30, 1921:

The duties of the department have, as usual, varied greatly during the year, considerable time being devoted to the investigation of railroad and highway crossing accidents.

Attention is called to Table VI (infra) showing accidents and casualties on steam and electric railroads in Indiana. The first item mentioned is casualties on passenger trains. There was a great increase in the number of passengers killed on passenger trains. This increase was caused by a wreck which occurred at Porter, Indiana, on February 27, 1921, in which a New York Central passenger train collided with a Michigan Central passenger train at the intersection of the two roads, resulting in the death of thirty-five passengers and two employes and also caused injuries to many other passengers.

It will be noticed in the column showing travellers killed on high-ways that there is no considerable change in the number of persons killed and injured in the fiscal year just closed, as compared with other years. The investigation of highway crossing accidents would however prove that in fifteen of the cases reported it was shown that the vehicle travelling in the highway ran into the side of the train after the train had covered the crossing. Such accidents as these are usually disastrous, there generally being a loss of life. This is absolute evidence that travellers in the highway are not using any care or judgment when approaching railroad crossings.

Considerable time has been devoted to improper wire construction. Numerous complaints have reached the department regarding such construction over and across railroads. Some few accidents have occurred in the state because of improper wire construction; and trainmen riding on top of cars have been injured by wire sagging closer to the tops of the cars than the law governing such construction permits.

LIBRARY

The duties of the Librarian may be summarized as follows:

- (1) Editing orders of the Commission, checking figures, writing headnotes, etc.
- (2) Editing all publications of the Commission, such as annual and monthly reports, compilations of statutes, etc.
- (3) Investigating questions referred by the Commission, and submitting reports thereon.
- (4) Caring for the Commission's library, and furnishing material to the Commission on questions connected with regulation.
- (5) Service to city attorneys, publicists, utilities and others desiring information on questions connected with regulation, both by correspondence and by consultation.

The Librarian is also Examiner and devotes most of his time to taking evidence and preparing it for presentation to the Commission for its consideration.

The library of the Commission contains approximately 1,200 volumes, and a large collection of pamphlets and other printed matter on public utility regulation. It is open to all who desire to consult it, and the services of the Librarian are at their disposal. Many city attorneys, in particular, have made use of this service.

During the fiscal year, the Librarian has studied the Commission cases, and written reports to the Commission on the following questions, among others:

- (1) (a) Right of Commission to raise rates in excess of franchise rates, and (b) whether value of utility's property which was received by it from a city might be considered in rate making.
- (2) Whether utility asking modification of order authorizing securities issues is required to pay second fee for authorization.
 - (3) Value of non-utility property (for purposes of comparison).
- (4) Jurisdiction of Commission in matters of extensions of utility property.
- (5) Jurisdiction of Commission over municipality borrowing money for utility purposes without issuing securities.
 - (6) Operation of indeterminate permit in Indiana.
- (7) Right of water company to collect for so-called service for private fire protection.
- (8) Emergency rate relief under Public Service Commission Act with especial reference to whether Commission is empowered or required to fix rates which will yield more than a reasonable return on fair value of property.

SERVICE DEPARTMENT

This department was established by the Commission as of September 1, 1919. Its personnel consists of the Director of Service and one other employe, who combines the functions of stenographer and clerk.

RECORDS AND FILES

The chief records of this department are known as Adjustment Records. For each complaint regarding the service, charges or practices of any utility, concerning which any correspondence is necessary, a file is made and to this file a number is assigned. Index cards relating to the Adjustment Records are prepared, through the use of which any case can be located by the name of the complainant, the name of the utility or the number of the file.

For matters which may be adjusted by telephone or informal conferences no file is made, but a memorandum of the complaint and the mode of adjustment is prepared and filed under the name of the utility complained of. These files are referred to as Informal Complaints.

Matters involving formal hearings and decisions by the Commission are docketed and filed as Formal Cases.

In addition to these files, there are the usual letter files, calorimeter reading files and miscellaneous. Of late there has been added to the records of this department a file for protests made by consumers against requested increases of rates by utilities.

SCOPE

The questions coming before this department are of great variety. Matters which do not fall within the province of the other divisions of the Commission are referred to the Service Department. These matters refer to all classes of utilities—electric, gas, water, telephone, street and interurban railways, etc. Because this department is in constant communication with consumers of utility products, it is through it that the Commission is in most intimate and constant contact with the public. It is through this department that the Commission becomes cognizant at first hand of the attitude of the public toward the utilities and of the opinion of the public of the service it is receiving.

SUMMARY OF ACTIVITIES

An idea of the work handled by this department during the year ending September 30, 1921, may be gathered from the following:

Adjustment cases disposed of	 400
Adjustment cases open October 1st	 69
Informal complaints disposed of	 209
Formal cases disposed of	 28
Formal cases open October 1st	 9
Number of visits to various places in the state	 110

PUBLIC RELATIONS

This department believes that the greatest service it can render the public is by bringing about a proper relation between the utility on the one hand and the consumer on the other. This relation can only be brought about by informing the consumer of the problems and trials with which the utility must contend in order to give service—problems and trials which are inherent in the very nature of the business conducted by the utility—on the one hand; and to convince the utility that every doubt must be resolved in favor of the consumer, on the other; that only the utility which renders adequate service can receive an adequate rate, and that courtesy and forbearance are the accompaniments which alone can render service satisfactory.

It is highly desirable that each consumer acquaint himself in a general way with the methods of production of the utility products which he is purchasing. The larger telephone companies, realizing this, are encouraging civic and mercantile organizations to visit their plants and are endeavoring to bring to the knowledge of the public an understanding of their work and their problems. This practice is highly commendable and should be used by other utilities.

In general this department has found that the public is entirely reasonable in its demands and that the desire of the consumer is for good service, for which he is entirely willing to pay an adequate rate. He objects to paying for adequate service and receiving service which is inadequate. He objects to discourtesy and to the practice still employed by a few utilities of sending from officer to officer and from department to department, those who desire to make complaints. He objects to standing in line for an unduly long time in order to pay his bill. He objects to the reluctance displayed by some utilities to offer explanations of charges that appear to him to be obscure. He objects to the attitude a few utilities still display of believing the consumer incapable of understanding their problems, and their difficulties.

Occasionally, it is true, a consumer takes an unjustifiable and unreasonable attitude and assumes that all utilities are attempting to overcharge him on the one hand and to lower the standards of his service on the other. The number of consumers of this type in comparison to the entire number of consumers of utility products is negligible.

The experience of this department has been gratifying in that it has found that utilities generally are aware of the fact that their first duty is to give good service and to satisfy the consumer; they have found that courtesy pays and that no credit is given them for good service unless accompanied by courteous treatment. Many of the larger utilities have established service departments to whom the complaining consumer is directly referred and they have so arranged their collection department that at busy times a larger number of receiving windows is available in order that no customer need waste much time standing in line to pay his bill. There are a few notable exceptions consisting of utilities who have not yet become aware of the fact that their primary

reason for their existence is the rendering of service. It is probable that utilities maintaining this attitude will not long survive the stress of these times.

PUBLIC USE OF THE DEPARTMENT

The records of the department show that the public is coming more and more to avail itself of the department's services. This is highly gratifying not only because the purposes of the establishment of this department are thus served, but because in that way the Commission itself is kept in close and constant touch with the needs of that portion of the public which consumes the products of the utilities.

PART TWO

TABLES

Index to Statistical Tables

Table No.

- Financial report of the Commission for the fiscal year ending September 30, 1921.
- II. Comparative financial statement for fiscal years ending September 30th.
- III. Public utility securities authorized during the fiscal year ending September 30, 1921.
- IV. Cases pending before the Commission on September 30, 1921.
 - V. Appraisals of public utility property made by the Engineering Department of the Commission during the fiscal year ending September 30, 1921.
- VI. Accidents and casualties on steam and electric railroads in Indiana during the fiscal year ending September 30, 1921.
- VII. Operating statistics of electric railroads for the calendar year 1920.
- VIII. Operating statistics of public utilities for the calendar year 1920.
 - IX. Revenues and expenses of public utilities per unit for the calendar year 1920.

TABLE 1

FINANCIAL STATEMENT

(For fiscal year ending September 30, 1921)

(A) RECEIPTS

Total fees collected during year available for use of Commission, (being statutory fees in authorizing the issue of common and preferred stock, bonds, and notes by various utilities)		
-		
Total	\$82,625	83
(B) EXPENDITURES Salaries of commissioners and secretary	\$32,655	73
stenographers	96,630	00
Unclassified personal service	8,275	00
Traveling expense	13,596	23
Postage	854	00
Telephone, telegraph, expressage	1,586	71
Office supplies, printing, etc.	7,707	71
Furniture, typewriters, fixtures	1,546	22
Miscellaneous	799	03
-		

TABLE II.—COMPARATIVE FINANCIAL STATEMENT

Fiscal year ending September 30

	1916	1917	1918	1919	1920	1921
Receipts: Seurity issue fees Refund of Com. expenses	\$117,000 00 22,805 24 19,317 28	\$117,000 00 25,361 75 4,376 14	\$109,000 00 20,391 53 9,098 25	\$109,000 00 24,851 23 8,833 26	\$100,000 00 70,070 44 36,451 43	\$100,000 00 45,103 89 37,521 94
Total funds available for use of Commission	\$139,805 24	\$142,261 75	\$129,391 53	\$133,851 23	\$206,521 87	\$182,625[83
Disbursements: Commissioners' and Secretary's salaries Accountants salaries Inspectors' salaries Fraginers' salaries Transferiors' commissioners' salaries	\$101 337 01	\$35,027 42 9,962 86 12,560 01 17,348 66	\$32,100 00 10,427 53 11,232 89 20,846 29 6,900 00	\$33,300 00 13,768 54 9,133 26 24,902 90 5,700 96	\$32,850 00 19,831 22 9,949 88 26,970 90 5,937 41	\$32,655 73 22,362 32 10,344 92 29,519 73
Liam Cerbs adautes Librarian s'and assistant's salartes Stenographers' and reporters' salartes I'nelastifich revena alervices.	10 100 100 100 100 100 100 100 100 100	12,044 87 894 85	15,474 68 1,545 12	2,041 60 19,621 32 2,245 18	110 110 82	523
Postage Other office supplies Published supplies	610 00	541 00 777 03 43 80	1,481 50 743 33 33 07	1,588 00 1,354 48	523	354
Telephone and telephone and telephone and telephone and telephone and telephone African Inc. Truniture, typewriters	2,870 04	522 62 3,035 16 950 62	1,130 17 3,332 50	1,055 83 5,444 11 790 74	1,694 45 3,163 77 3,578 38	
Traveling expenses.	4,891 07	5,001 94	9,190 29	12,626 88	343	
. Total	\$109,705 12 112,296 79	\$102,413 41	\$115,751 92	\$133,708 03	\$160,150 73	\$163,650 63
Unused balance	\$27,508 45	\$39,848 34	\$13,639 61	\$143 20	\$46,371 41	\$18,975 20

TABLE III

PUBLIC UTILITY SECURITIES AUTHORIZED (During Fiscal Year Ending September 30, 1921)

A. Privately Owned Utilities

	;	í	St	Stock	P	- 4	Do45	
NAME OF UTILITY	No.	Date	Common	Preferred	Domas	Notes	Tranc	11106
								;
Attica Electric and Power Company.	5,867	1-20-21	\$40,000	610 000			717	6 9
Brookwille Telephone Company	6,112	7-30-21	40.000	000			4/	
Central Indiana Gas Company	5,945	4-4-21			\$30,000		10	75
Central States Gas Company	6,088	6-29-21			220,000		~ 1	06
Chicago, Lake Shore and South Bend Railway Company.	5,979	4-26-21			24,000		1 0	06.0
Citizens Gas Company	6,175	9-12-21	9 000	1,000,000			•	1001
Clinton Woter Works Company	7,994	5-1-21	0,000		21,000		7	100
Chetheraville Weter and Electric Company	5,342	10-9-01		34,000			. 9	8
Crothersville Water and Electric Company	5,342	10-6-20	17.000					100
Gary Connecting Railroad	5,596	11-9-20			137,000		9	
Gary Connecting Railroad	5,596	11-9-20		20,000			9	
Gary Connecting Railroad	5,596	11-9-20	160,000					
Gem Electrical Service Company	6,013	5-20-21	15,000					100
Hawks Electric Company	5,946	3-21-21		150,000			t~ 1	93
Home Telephone and Telegraph Company of Ft. Wayne.	5,963	12-62-9				000,000	•	
int ar	A 00 m	19 90 90	000 006					N. O.
Indiana Ball Telanhone Commany	0,00°4	2-23-21	3.588.800					100
Indiana Conom Common Commons	/5,714	4-90-91		30 300			9	100
Indiana General Del vice Company	(5,715	17 07 4		200 100				
Indiana General Service Company.	(5,714	4-29-21			117,000		10	75
Indiana Power Company	6,019	6-8-91			1.250.000		00	8
Indiana and Michigan Electric Company.	5,825	1-14-21		300,000			-	100
Indiana Railways and Light Company.	6,058	6-10-21			424,000		ro.	
Indiana Railways and Light Company.	6,058	6-10-21				250,000	00 1	
Indianapolis Water Company	5,910	2-25-21		220,000			2	3.5
Ingalis Telephone Company.	6,084	12-6-7	000,61	000 666			1	38
Interstate Fublic Service Company.	6,102 6,102	8-17-21		000,622	184,000		- 10	75
Interstate Public Service Company.	(5,893	2-25-21	1,130,000					100
	(5,094 (7,003							•
Interstate Public Service Company	5.894	2-25-21		2,000,000		:		100

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9-16-21 9-16-21 10-15-20 10-15-20 10-15-20	7-1-21 3-11-21 4-9-21 1-3-21 10-19-20	10-19-20 12-24-20 12-24-20 12-24-20 - 9-20-21 6-8-21 12-24-20	7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-7-	4-29-21 4-29-21 6-13-21 8-29-21 8-24-21 10-8-20 7-9-21 7-9-21
6, 170 6, 170 5, 745 6, 5, 745 7, 745	9.000 9.000	6,051 6,051 6,051 6,051	6,0,0,0,0,0,4,0,0,4,0,0,0,0,4,4,0,0,0,0,	6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,6,
Knox and Sullivan County Light and Power Company. Knoxon Water Works Company. Kokomo Water Works Company. Kokomo Water Works Company. Kokomo Water Works Company.	ansyetic service cumbany da Grange County Telephone Company Linton Grove Light and Power Company. Linton das and Cole Company. Matison Light and Firel Company. Matison Light and Firel Company.	Markle Water Company Merchanis Heat and Light Co Merchanis Heat and Light Co Merchanis Heat and Light Co Mortgemery County Telephone Co Montgemery County Telephone Co Montgemery Water Works Co.	Nowhurgh Lights and Water Co. North Judson Water Co. North Judson Water Co. North Webster Light and Water Co. Tange County Public Service Co. Perection L and W Co. Problic Utility Company of Evansville The Utility Company of Evansville Richmond Utility Rater Works Company. Rehmond Light Heat and Power Company. Rehmond Light Heat and Power Company. Roannoke Telephone Company. Roannoke Telephone Company. Roannoke Telephone Company.	South Central Service Company. South Central Service Company. Tere Haute Traction and Light Company. Union City Electric Company. Union City Electric Company. Union Heat Light and Fower Company. Wabbash Valley Electric Company.

III. PUBLIC UTILITY SECURITIES AUTHORIZED—Continued (During Fiscal Year Ending September 30, 1921)

B. Municipally Owned Utilities

N	, , , , , , , , , , , , , , , , , , ,	4	Stc	Stock	Desd	Debte	D	
NAME OF UTILITY	No.	Date	Common	Preferred	SDUOG	Notes	Kate	rrice
Anderson Attica Bluffton Counersville Covington Crown Point Frankfort Marion Marion Morth Vernon Richmond Salem Salem Soutsburg Salem Richmond Salem Washington Washington Washington	0.55 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	12-22-20 2-16-22-20 2-16-21-21 12-17-20 3-21-22 3-4-22 3-4-22 3-4-22 3-4-22 3-4-22 3-4-22 3-4-22 3-4-22 3-4-22 10-18-22			\$26,000 \$26,000 \$27,00		© © © © © © © © © © © © © © © © © © ©	000000000000000000000000000000000000000
Privately owned utilities— Common Stock. Preferred Stock. Bonds Notes		G.	C. RECAPITULATION	ION				\$5, 828, 800 5, 299, 100 6, 819, 580 1, 392, 956
Total Total Municipally owned utilities—Bonds.							\$	\$19,340,436 1,827,099
Grand Total							\$2	\$21,167,535

TABLE IV.

CASES PENDING BEFORE THE PUBLIC SERVICE COMMISSION September 30, 1921

Docket No.	Parties to Case	Subject Matter
1810	C & F I Poilroad	Application to T. C. C. to should
4449	C. & E. I. Railroad. Interstate Public Service Company. Indianapolis Telephone Company and Central-Union Telephone Company. Indiana General Service Company.	Application to I. C. C. to abandon.
4620	Indianapolis Telephone Company and Central Union	
4796	Telephone Company	Modify order. Rates.
4860	LaPorte Gas and Electric Company	Rates.
5311	Indianapolis Light and Heat Company	Valuation.
5312	Merchants Heat and Light Company	Valuation.
5317	City of Mt. Vernon v. Mt. Vernon Electric Light and Power Company	Authority to appraise.
5369	Power Company Northern Indiana Gas and Electric Company	Rates.
5398 5399	Laforte tras and frectific Company	Rates.
5557	LaPorte Gas and Electric Company	nates.
	and Power Company E. W. Lee, et al. v. Big Four Railway Co	Inadequate service.
5647	E. W. Lee, et al. v. Big Four Railway Co	Grade separation.
5655	Company	Rates.
5661	Company Greencastle Gas and Electric Company	Rates.
5678	Kingan and Company, Ltd	Rates. Crossing.
5684 5701	I. & C. Traction Company	Rates.
5722	Crothersville Water and Electric Company and Town of	G
5723	Crothersville. Indiana General Service Company.	Contract of lease. Service basis of charge for hot water heating
3723	Indiana General Service Company	service.
5740	Indiana Railways and Light Company	Valuation.
5818 5851	Macksville Gravel Company v. Penn. Railroad Company Vigo Mining Company v. I. C. Railroad Co.	Switching rates. Reparation.
5866	Princeton Coal Company v. C. &. E. I. Railroad Company	Rates.
5880	Town of Ferdinand v. Ferdinand Electric Light and	g .
5897	Power Company	Service.
9897	Company	Reparation.
5898	Company	Rates.
5912	Mt. Vernon Canning Company v. L. & N. Railroad Company	Reparation.
5919	Utilities Development Corporation v. P. C. C. & St. L.	_
****	Railway	Rates.
5926	City of Lebanon v. Interstate Public Service Company.	Inadequate service, violation of contract, tariff, etc.
5927	Ft. Branch Coal Mining Company v. C. &. E. I. Railroad	
*000	Company Crown Point Telephone Company	Equalization of rates. Rates.
5966 5972	Producillo Floatrie Company	Rates.
5977	Robt, E. Williams et al. v. Big Four Railway Company.	Crossing.
5981	C. C. C. & St. L. Railway Company	Abandon station, Mohawk.
5993	South Central Service Company	Purchase and sale.
6018	South Central Service Company	A.1
6037	Company Pennsylvania Railroad Company v. Town of Hobart. Indiana Bell Telephone Company	Adequate freight terminal facilities. Ordinance No. 275.
6038		Rates.
6044	Liberty Light and Power Company	Interchange connection.
6045 6086	Linden Hardware Company Sullivan Telephone Company and Glendora Coal Com-	Toll rates.
0000	pany	Contract.
6087	Sullivan County Water Company	Rates.
6092 6106	Interstate Public Service Company Link Belt Company et al. v. Merchants Heat and Light	Rates.
0100	Company	Rates.
6107	Electric Steel Company of Indiana et al. v. Indianapolis	Pates
6108	Company Electric Steel Company of Indiana et al. v. Indianapolis Light and Heat Company. Steuben County Farmers Federation v. Steuben County	Rates.
0108	Telephone Company	Teates and services
6110	Telephone Company. Indiana Bell Telephone Company.	Rates.
6111 6113	Indiana Bell Telephone Company Frank A. Linville et al. v. Indiana Bell Telephone Com-	teaucs.
0110	pany	Rates and service.
6120	Eastern Indiana Telephone Company	Physical connection. Crossing protection.
6121	Town of Kirklin v. C. I. & L. Railway Company	Crossing protection.

IV. CASES PENDING BEFORE THE PUBLIC SERVICE COMMISSION—Continued

Docket No.	Parties to Case	Subject Matter
6125	Town of Greenwood v. Interstate Public Service Com-	
0120	pany	Adequate water pressure and supply at street hydrants.
€ 6128	Town of Wolcottville v. LaGrange Co. Light and Power Company.	Rates.
6132	Thomas Conner et al. v. Indiana General Service Company	Rates.
6133	John S. Knapp et al. v. Indiana Power Company	Adequate pressure and supply of water at fire hydrants.
6134	Town of LaGrange v. LaGrange Light and Power Company.	Rates.
6151	C. F. Robertson, et al. v. I. C. C. Railroad Company Greencastle Telephone Company.	Crossing protection.
6152 6155	Rochester School City and Rochester School Township	
6159	v. United Public Service Company Frankton Corporation and Indiana General Service Com-	Rates.
1 2	pany	Refusal to furnish electric energy to Urmston Grain Co.
6162	Town of North Judson v. P. C. C. & St. L. Railroad Company	Crossing protection.
6164	Ft. Wayne and Northeastern Railway Co	Rates.
6171	City of Elkhart v. Elkhart Gas and Fuel Co	Rates.
	Town of Corydon Indiana Bell Telephone Company	Rates.
6174	Bryant Electric Company.	Rates.
6176	Citizens Gas Company	Surrender of franchise.
6177	Citizens Gas Company	Surrender of franchise.
6178	Citizens Gas Company	Surrender of franchise.
6179	Central Indiana Gas Company	Stock.
.6180	North Judson Water Company and Town of North	
6181	Judson Ingalls Telephone Company and Fall Creek Telephone	Contract of lease.
0100	Company	Purchase and sale.
6182 6183	Citizens Gas and Fuel Company of Terre Haute, Indiana Indiana Service Corporation and Town of Monroeville.	Valuation. Purchase and sale.
6184	G. P. Moss et al. v. Pennsylvania Railroad System	Miners train.
6185	Orange County Public Service Company v. South	
0100	Central Service Company	Rates.
6186 6210	City of Cochon w. Cochon Con Company	Reparation. Rates.
6214	City of Goshen v. Goshen Gas Company	Stock.
6215	Town of Knightstown and Fred Brenen, Carthage	Purchase and sale of electric current.
6217	Town of Liberty Water Works	Rates.
6218	LaPorte Gas and Electric Company v. City of LaPorte	Ordinance.
6219	Town of Monroe	Flagman.
6220	Edgar M. Stevens v. C. I. & L. Railway	Reparation.
6221	Farmer's Mutual Telephone Company v. Pierceton Telephone Company	Toll connection,
6222	Burrows Lumber Company v. Wabash Railroad Company.	Station facilities.
6226	Town of Knightstown v. George Watts, Grace Reagan, Lora Garritson	Appropriation and condemnation of lands.
6229	Arthur Hegewald et al. v. Interstate Public Service Com-	
	pany	Rates.

TABLE V.

APPRAISALS OF PUBLIC UTILITY PROPERTY BY THE ENGINEERING DEPARTMENT During fiscal year ending September 30, 1921

A. Electric

A			
Name of Utility	Location	Date of Appraisal	Cost of repro- duction new as found by Engineering Department
Hagerstown Municipal Light Co	Hagerstown	Oct. 1, 1920	\$18,183
Wabash Valley Electric Co	Clinton	Oct. 1, 1920	\$18,183 215,866
Wabash Valley Electric Co	Transmission	Oct. 1, 1920 Oct. 1, 1920	159 855
Wabash Valley Electric Co	Rosedale	Oct. 1, 1920	14,112 9,520 69,720
Montpelier Utilities Co. Montpelier Utilities Co.	Montpelier	Oct. 1, 1920	69,720
Albany Water & Electric Co	Albany	Oct. 1, 1920 Oct. 1, 1920	31,199 48,079
Lagrange Co. Light & Power Co	Lagrange	Nov. 1, 1920	71,956
Lagrange Co. Light & Power Co	Trans. & Rural	Nov. 1, 1920 Nov. 1, 1920	24,488 11,541
Lagrange Co. Light & Power Co. Lagrange Co. Light & Power Co.	Rome City	NOV. 1, 1920	10,022
Municipal Electric Light Plant. Martinsville Gas & Elec. Co.	Mitchell. Martinsville	Nov. 1, 1920	45.864
Indiana Power Co	Vincennes	Nov. 1, 1920 Nov. 1, 1920	52,573 637,571
Indiana Power Co	Vincennes Trans. & Rural	Nov. 1, 1920	037,571 965,413 1,173,166 122,949 76,261 35,363 30,920 32,929 97,573
Indiana Power Co.	Edwardsport	Nov. 1, 1920	1,173,166
Indiana Power Co	BicknellBloomfield	Nov. 1, 1920 Nov. 1, 1920	122,949 76 261
Indiana Power Co	Worthington	Nov. 1, 1920	35,363
Indiana Power Co	Dugger Odon	Nov. 1, 1920	30,920
Indiana Power Co.	Petersburg	Nov. 1, 1920 Nov. 1, 1920	32,929 97,573
Indiana Power Co	Wheatland	Nov. 1, 1920	4,049 17,379
Indiana Power Co	Bruceville	Nov. 1, 1920 Nov. 1, 1920	17,379 14,840
Indiana Power Co.	Switz City	Nov. 1, 1920	6,442
Indiana Power Co	New Berry	Nov. 1, 1920	5,578
Indiana Power Co	Elnora Plainville	Nov. 1, 1920 Nov. 1, 1920	13,572
Indiana Power Co.	Sandborn	Movr 1 1000	13,572 13,267 18,505 130,126 40,405 353,292 26,224 8,798 3,367
Indiana Power Co. Indiana Power Co. Indiana Power Co. Indiana Power Co.	Illinois Trans	Nov. 1, 1920	130,126
Indiana Power Co	Abandoned PrpLinn Mine	Nov. 1, 1920 Nov. 1, 1920 Nov. 1, 1920 Nov. 1, 1920 Dec. 1, 1920 Dec. 1, 1920	40,405 353 299
Butler Utilities Company	Butler	Dec. 1, 1920	26,224
Butler Utilities Company	Trans. & Rural	Dec. 1, 1920 Dec. 1, 1920	8,798
Indiana Power Co. Butler Utilities Company. Butler Utilities Company Butler Utilities Company. Butler Utilities Company. Butler Utilities Company.	Spencerville	Dec. 1, 1920	1,456
Decatur Light & rower Co	Decatur	Dec. 1, 1920	129,390
Zionsville Water & Electric Co. Boonville Elec. Lt. & Power Co.	Zionsville	Jan. 1, 1921 Feb. 1, 1921	17,649 78,893
Roachdale Electric Co	Ladoga	Feb. 1, 1921	16,250 3,797
Roachdale Electric Co	Trans. Roachdale-Ladoga		3,797
Elec. Lt. & Pr. Co. of Ferdinand. Town of Ferdinand.	Ferdinand	Feb. 1, 1921 Feb. 1 1921	14,606
Wabash Valley Elec. Co. (South Dist.)	Sullivan	Mar. 1, 1921	127,805
Town of Ferdinand. Wabash Valley Elec. Co. (South Dist.). Argos Elec. Lt. & Water Plant. Brookville Electric Co.	Transmission	Feb. 1, 1921 Feb. 1, 1921 Mar. 1, 1921	2,987 127,805 71,812 70,281 24,960 13,731 22,054
Wabash Valley Elec. Co. (South Dist.)	Jasonville	Mar. 1, 1921 Mar. 1, 1921	24.960
Wabash Valley Elec. Co. (South Dist.)	Farmersburg	Mar. 1, 1921	13,731
Wabash Valley Elec. Co. (South Dist.)	Shelburn Hymera	Mar. 1, 1921	22,054 11,917
Wabash Valley Elec. Co. (South Dist.)	Coalmont.	Mar. 1, 1921	2,688
Argos Elec. Lt. & Water Plant	Argos	Apr. 1, 1921	2,688 16,978
Brookville Electric Co	Brookville	May 1, 1921 May 1, 1921	26,130 7,898
Indiana Railways and Light Co	Kokomo	May 1, 1921	1.066 831
Indiana Railways and Light Co	Trans. and Rural.	May 1, 1921	83,324 1,705 7,804
Indiana Railways and Light Co	Alto	May 1, 1921 May 1, 1921	7,804
Indiana Railways and Light Co	Boyleston	May 1, 1921	329
Indiana Railways and Light Co	Burlington	May 1, 1921	5,361 30,401
Indiana Railways and Light Co	Converse	May 1, 1921	3,488 9,536
Indiana Railways and Light Co.	Galveston	May 1, 1921 May 1, 1921	9,536
Indiana Railways and Light Co	Greentown	May 1, 1921	14,147
THURSDA TONIWAYS AND THEIR CO	1 TTCT DS0	1 11107 10 1021	1,200

V. APPRAISALS OF PUBLIC UTILITY PROPERTY—Continued

A. Electric

Name of Utility	- Location	Date of Appraisal	Cost of reproduction new as found by Engineering Department
Indiana Railways and Light Co Cauga Elec Co Cayuga Elec Co Cayuga Elec Co Cayuga Elec Co Total	Hillisburg Kempton Kirklin Michigantown Middle Fork New London Point Isabelle Russiaville Scircleville Sims Swayzee West Middleton Cayuga Transmission Newport	May 1, 1921 Aug. 1, 1921	\$2,126 7,549 9,434 8,150 476 2,249 11,128 11,036 2,511 1,803 11,088 4,775 17,662 7,056 7,844

B. Electric Railway

Gary Connecting Railway Co. Vincennes Traction Co. Indiana Railways and Light Co. Indiana Railways and Light Co.	Kokomo (Inter.)	May 1, 1921	1,576,567
Total			\$2,677,529

C. Gas-Artificial

Sheridan Gas Oil and Coal Co.	Sheridan	Oct. 1, 1920	\$61,180
Central Fuel Company.	Rushville	Oct. 1, 1920	70,855
Fortville Gas Co.	Fortville	Oct. 1, 1920	46,304
Oakville Gas Company.	Oakville	Oct. 1, 1920	6.467
Union Ht. Lt. and Power Co.	Winchester	Oct. 1, 1920	107,315
Union Ht. Lt. and Power Co.	Collect and Trans	Oct. 1, 1920	90,870
	Union City	Oct. 1, 1920	
Union Ht. Lt. and Power Co	Portland		71,974
Union Ht. Lt. and Power Co			79,298
Northern Ind. Gas and Elec. Co	Peru	Dec. 1, 1920	277,232
Northern Ind. Gas and Elec. Co	Logansport	Dec. 1, 1920	369,370
Northern Ind. Gas and Elec. Co	Wabash	Dec. 1, 1920	226,982
Peru Gas Company	Peru.	Dec. 1, 1920	253,245
The Ind. Natl. Gas and Oil Co	E. Chicago	Dec. 1, 1920	52,086
The Ind. Natl. Gas and Oil Co	Trans. Line	Dec. 1, 1920	887,702
	(Kokomo-E. Chicago)		
The Ind. Natl. Gas and Oil Co	Trans. Line	Dec. 1, 1920	36,717
	(E Chicago-Comp. House)		· ·
The Ind. Natl. Gas and Oil Co	Kokomo Station and Wells	Dec. 1, 1920	618,771
Citizens Gas Co	Indianapolis	Jan. 1, 1921	7,466,045
Citizens Gas Co. (Prop. leased)	Indianapolis	Jan. 1, 1921	4,502,766
Indiana Fuel and Light Co	Auburn	Jan. 1, 1921	140.514
Indiana Fuel and Light Co.	Garrett	Jan. 1, 1921	133,329
Indiana Fuel and Light Co	Kendallville	Jan. 1, 1921	194,169
Dome Gas Co	Sullivan	Feb. 1, 1921	42,824
Northern Ind. Gas and Elec. Co	Michigan City	Mar. 1, 1921	498,746
Liberty Gas Lt. and Fuel Co	Liberty	Mar. 1, 1921	26,653
Gary Heat, Lt. and Water Co.	Gary	Apr. 1, 1921	922,525
Bement Gas Co	Petersburg	July 1, 1921	19,594
Dement Gas Co	Trans. and Rural	July 1, 1921	11,688
Bement Gas Co	Winslow	July 1, 1921	9,120
Bement Gas Co	Columbus		213,044
Columbus Gas Light Co		Aug. 1, 1921	
The Goshen Gas Co	Goshen	Sept. 1, 1921	227,468
m , 1			017 CCA 050
Total			\$17,664,853

V. APPRAISALS OF PUBLIC UTILITY PROPERTY—Continued

D. Heating

Name of Utility	Location	Date of Appraisal	Cost of reproduction new as found by Engineering Department
Central Heating Company. Indiana Railways and Light Co. Citizens Mutual Heating Co. Total.	Anderson. Kokomo. Terre Haute	Oct. 1, 1920 May 1, 1921 Aug. 1, 1921	\$234,381 162,976 186,579 \$583,936

E. Telephone

Central Indiana Tel. Co	Sheridan	Oct. 1, 1920	\$38,801
Spiceland Cooperative Tel. Co	Spiceland		22,790
Spiceland Cooperative Tel. Co			9,850
Morgantown Tel. Co			13,977
Morgantown Tel. Co			2,524
Roachdale Tel. Co	Roachdale		15.398
Monroe Tel. Co.			23,923
Odon and Madison Twp. Tel. Co.	Odon		11,000
Commercial Tel. Co.		Nov. 1, 1920	148,639
So. Ind. Tel. and Telegraph Co.	Scottsburg		30,068
So. Ind. Tel. and Telegraph Co.		Dec. 1, 1920	
So. Ind. Tel. and Telegraph Co.		Dec. 1, 1920 Dec. 1, 1920	4,236
Uniondale Rural Tel. Co.		Dec. 1, 1920	1,294
Uniondale Rurai Tel. Co	Zanesville	Ton 1 1001	25 000
Mt. Zion Telephone Co		Jan. 1, 1921	25,000
New Home Tel. Co.		Feb. 1, 1921	17,000
		Feb. 1, 1921	26,714
Avilla Mutual Tel. Co	Avilla	Feb. 1, 1921	27,511
		Mar. 1, 1921	41,950
Citizens Telephone Co		Apr. 1, 1921	58,978
Citizens Telephone Co		Apr. 1, 1921	5,419
Southern Ind. Tel. and Telegraph Co			82,807
Indiana Bell Tel. Co		Apr. 1, 1921	703,520
The Brookville Tel. Co	Brookville	June 1, 1921	78,284
Greencastle Tel. Co	Greencastle	Aug. 1. 1921	65,440
Roanoke Telephone Co	Roanoke	Sept. 1, 1921	40,418
Total			\$1,495,541
LUcai			01,200,011

F. Water

Frankfort Water Co	Frankfort	Oct. 1, 1920	\$391,055
Richmond City Water Works		Oct. 1, 1920	952,108
Town of Converse Water Plant	Converse	Nov. 1, 1920	36,171
Wabash Valley Electric Co	Jasonville	Dec. 1, 1920	44.917
Butler Utilities Co		Dec. 1, 1920	11.767
Decatur Light and Power Co	Decatur		163,711
Muncie Water Works Co.	Muncie	Jan. 1, 1921	730,000
Kokomo Water Works Co	Kokomo		771.339
Logansport Mun. Water Wks. Dept			607,720
Zionsville Water and Elec. Lt. Co			10,213
Vincennes Water Supply Co			496,194
Jeffersonville Water Co		Apr. 1, 1921	265,331
Corydon Water Works		Apr. 1, 1921	35,528
Lanesville Water Works.	Lanesville		11,770
Lafayette Water Works	Lafavette		760,298
West Lafavette Water Co	W. Lafayette	Apr. 1, 1921	168,908
Brookville Mun. Water Works	Brookville		85,375
Liberty Mun, Water Works	Liberty	May 1, 1921	59,236
Cambridge City Mun, Water Plant	Cambridge City		63,307
Muncie Water Works Co	Muncie		810,456
Muncie Water Works Co	Buck Creek Sta	May 1, 1921	68,534
E. Chicago and Ind. Harbor Water Co	East Chicago		1,217,485
The Terre Haute Water Co			1,798,636
Summitville Water Co		July 1, 1921	16,172
Fairmount Water Co.			36,922

YEAR BOOK

V. APPRAISAL OF PUBLIC UTILITY PROPERTY-Continued

F. Water

Name of Utility	Location	Date of Appraisal	Cost of reproduction new as found by Engineering Department
Gas City Water Co. Fortville Water Co. Frankton Water and Light Co. Alexandria Water Co. Delphi Water Works. Attica Water Works. West Lebanon Water Co. Vanburen Water Works Warren Water Co. Upland Water Co. Hartford City Mun. Water Works. Yorktown Water Works Co.	Gas City Fortville Frankton Alexandria Delphi Attica W. Lebanon Van Buren Warren Upland Hartford City Yorktown	Aug. 1, 1921 Aug. 1, 1921 Aug. 1, 1921 Aug. 1, 1921 Aug. 1, 1921 Aug. 1, 1921 Sept. 1, 1921 Sept. 1, 1921 Sept. 1, 1921 Sept. 1, 1921 Sept. 1, 1921 Sept. 1, 1921	\$45,744 23,289 17,520 109,133 76,003 79,390 16,531 14,764 20,461 11,908 112,793 6,401

G. Recapitulation

Kind of Utility	Total for Period May 1, 1913 to Sept. 30, 1917	Total for Period Oct. 1, 1917 to Sept. 30, 1918	Total for Period Oct. 1, 1918 to Sept. 30, 1919	Total for Period Oct. 1, 1919 to Sept. 30, 1920	Total for Period Oct. 1, 1920 to Sept. 30, 1921	Grand Total
Electric Electric Railw'y Gas. Heating. Telephone. Water. Total	\$22,136,906 10,900,273 1,692,509 7,036,157 12,906,687 \$54,672,532	\$8,201,015 38,369,422 3,676,286 1,071,973 2,210,235 2,475,769 \$56,004,700	\$3,449,312 5,202,593 1,132,595 1,597,530 10,787,300 3,344,641 \$35,513,971	\$9,445,769 10,626,248 12,031,135 722,103 22,111,917 6,951,167 \$61,888,339	\$6,591,265 2,677,529 17,664,853 583,936 1,495,541 10,147,090 \$39,160,214	\$49,824,267 56,875,792 45,405,142 5,668,051 43,641,150 35,825,354 \$247,239,756

TABLE VI

ACCIDENTS AND CASUALITIES ON STEAM AND ELECTRIC RAILROADS IN INDIANA

A. Steam Raitroads-Classified

(1) Passengers

	Year Ending	Year Ending	Year Ending	Year Ending
	June 30, 1918	Sept. 30, 1919	Sept. 30, 1920	Sept. 30, 1921
a. Location— On passenger train. On freight train. On station ground.	116	89	93	196
	6	2	0	4
	16	12	16	9
Totals	138	103	109	209
b. Causes— Collision Derailment. Getting on and off moving trains. Getting on and off after stop is made. Defective and unlighted station and platforms. Miscellaneous. Totals.	66	16	18	110
	14	29	3	34
	19	14	20	15
	10	8	20	11
	1	0	0	0
	28	36	48	39
c. Resuts— Deaths. Loss of limb Loss of finger or toe. Spinal injuries. Fracture or dislocation Sprain. Cuts and bruises. Miscellaneous	9	6	9	37
	2	4	1	1
	1	1	1	2
		1	1	0
	15	14	7	9
	16	13	18	20
	95	64	72	130
Totals	138	103	109	209

(2) Travelers on Highway

346
26
372
362 10
372
112 0 1 1 49 16 182 11
372

VI. ACCIDENTS AND CASUALTIES—Continued

(3) Employes

	(-)			
	Year Ending June 30, 1918	Year Ending Sept. 30, 1919	Year Ending Sept. 30, 1920	Year Ending Sept. 30, 1920
a. Employment— Conductors. Enginemen Firemen Brakemen (road and yard) Mechanics Laborers. Miscellaneous	132 131 279 769 29 300 67	79 85 152 544 18 153 39	126 113 215 671 24 158 33	102 86 175 505 5 122 23
Totals	1,707	1,070	1,340	1,016
b. Causes— Coupling and uncoupling. Collisions. Derailments. Getting on and off trains. Caught in frogs and switches. Use of tools and machinery. Defective tools and appliances. Struck by passing trains. Overhead obstruction. Side obstruction Fell from car Miscellaneous.	71 156 57 160 2 120 58 92 8 93 162 728	47 63 36 121 1 56 41 49 6 39 100 511	58 85 45 154 61 48 54 12 57 125 641	51 62 38 118 1 71 25 28 5 26 97 494
Totals	1,707	1,070	1,340	1,016
c. Results— Death Loss of limb Loss of finger or toe Spinal injuries Fracture or dislocation Sprain Cuts and bruises Scalds and burns Miscellaneous	121 19 12 6 129 424 930 50 16	58. 10 10 1 1 104 257 560 30 40	62 16 14 9 136 366 676 44	45 13 12 8 98 304 484 36 24
Totals	1,707	1,070	1,340	1,016
	(4) Trespassers	1		
a. Location— On track. On train. Miscellaneous.	155 38 26	76 28 1	77 21 11	.85 66 0
Totals	219	-105	109	151
b. Results— Destarts. Loss of limb. Loss of finger or toe. Spinal injuries. Fractures of dislocation Sprains. Cuts and bruises. Miscellaneous.	126 24 12 18 4 35	54 10 13 3 25	59 11 7 2 30	81 11 2 0 14 9 34
Totals	219	105	109	151
	(5) Licensees	3	'	
a. Location—	0			
On passenger trains. On freight trains. On station grounds, etc.	2 4 22	8 8 13	5 7 23	3 20

VI. ACCIDENTS AND CASUALTIES-Continued

VI. ACCIDENTS AND CASUALTIES—Continued								
	Year Ending June 30, 1918	Year Ending Sept. 30, 1919	Year Ending Sept. 30, 1920	Year Ending Sept. 30, 1921				
b. Cause— Collisions. Derailment. Miscellaneous.	7 2i	7 3 19	2 2 2 31	2 0 25				
Totals	28	29	35	27				
c. Results— Deaths. Loss of limb. Loss of finger or toe. Sprains. Cuts and bruises. Fractures or dislocation.	1 1 5 19	4 1 1 5 15 3	5 1 16 9 4	2 0 0 6 11 8				
Totals	28	29	35	27				
B. Total Co	sualties on All S	team Railroads						
(1) Deaths—								
Passengers. Travelers on highway Employes. Trespassers Licensees.	9 175 121 126 1	6 122 58 54 4	9 152 62 59 5	37 112 45 87 2				
Totals	432	244	287	277				
(2) Injuries— Passengers. Travelers on highway Employes. Trespassers Licensees.	129 261 1,586 93 27	97 214 1,012 51 35	100 248 1,278 50 25	172 260 971 70 25				
Totals	2,096	1,399	1,701	1,498				
C. Total Cas	ualties on All El	ectric Railroads						
(1) Deaths—								
Passengers. Travelers on highway Employes. Trespassers Licensees.	4 51 10 13 1	9 41 8 7	6 54 2 10	5 68 6 9 1				
Totals	79	65	72	87				
(2) Injuries— Passengers. Travelers on highway Employes. Trespassers. Licensees.	34 33 17 2	21 32 13 3 1	53 19 8 1	21 28 8 2 1				
Totals	86	70	81	61				
D. Total Casualties on All Steam and Electric Railroads								
(1) Deaths—								
Steam roads	432 89	244 65	287 72	· 277 87				
Totals	511	309	359	364				
(2) Injuries— Steam roads.	2,096 86	1,399 70	1,701 81	1,498 61				
Totals	2, 182	1,469	1,782	1,559				
Grand totals	2,693	1,778	2,141	1,923				

TABLE VII. OPERATING STATIS

Calendar

Chicago, South Bend and Northern Ind. Ry	·	Op	erating Revenu	ies
Central Indiana Lighting Co. 16, 786 35 1,715 01 18, 501 32 Chicago, Lake Shore and South Bend Ry. 901, 326 83 23, 483 73 924, 810 60 Cincinnati, Lawrenceburg and Aurora Elec. Street Ry 175, 928 98 520 17 176, 449 18 Evansville, Suburban and Newburgh Ry. Co. 358, 722 51 13, 685 50 372, 408 00 Evansville and Ohio Valley Railway Co. 460, 968 91 8,586 07 469, 554 90 Fort Wayne and Decatur Traction Co. 97, 750 06 1, 234 00 98, 984 00 Ft. Wayne and Northwestern Railway Co. 298, 997 41 13, 845 86 312, 843 02 Lafayette Service Company. 127, 376 61 81,840 40 209, 217 0 French Lick and West Baden Railway Co. 62, 884 37 169 95 63,054 30 Gary and Southern Traction Co. 62, 884 37 169 95 63,054 30 Gary and Hobart Traction Co. 62, 884 37 169 95 63,054 30 Gary and Valparaiso Railway. 115, 936 17 1, 317 85 117, 254 00 Gary Street Railway Co. 842, 831 50 35, 200 71 878, 032 20 Hammond, Whiting and East Chicago Ry. Co. 632, 398 08 1, 165 00 633, 563 00 Indianapolis and Loiusville Traction Railway Co. 754, 131 22 11, 520 81 765, 652 0 Indianapolis and Loiusville Traction Railway Co. 4, 809, 986 68 556, 377 50 5, 366, 364 1 Indiana Railways and Light Co. 15, 631 67 99 97 15, 731 6 Lebanon-Thorntown Traction Co. 15, 631 67 99 97 15, 731 6 Lebanon-Thorntown Traction Co. 156, 816 79 99 71 15, 731 6 Louisville and Northern Railway and Lighting Co. 286, 726 55 3, 094 26 289, 820 8 Lebanon-Thorntown Traction Co. 156, 816 79 17, 797 5 4, 220 387 3 Marion-Bluffton Traction Co. 156, 816 07 18, 455 91 17, 184 2 Madison Light and Railway Co. 4, 083 107 59 137, 279 75 4, 220 387 3 Southern Indiana Gas and Electric Co. Evansville 940, 083 04 22, 909 37 15, 731 6 Cunisville and Southern Indiana Traction Co. 4, 083 107 59 137, 279 75 4, 220 387 3 Southern Michigan Railway Co. 4, 083 107 59 137, 2	Name of Railway		Railway	Total
	Central Indiana Lighting Co. Chicago, Lake Shore and South Bend Ry. Cincinnati, Lawrenceburg and Aurora Elec. Street Ry. Evansville, Suburban and Newburgh Ry. Co. Fort Wayne and Ohio Valley Railway Co. Fort Wayne and Decatur Traction Co. Ft. Wayne and Northwestern Railway Co. Lafayette Service Company. French Lick and West Baden Railway Co. Gary and Southern Traction Co. Gary and Southern Traction Co. Gary and Hobart Traction Co. Gary and Valparaiso Railway. Gary Street Railway Co. Hammond, Whiting and East Chicago Ry. Co. Indianapolis and Cincinnati Traction Co. Indianapolis and Concinnati Traction Railway Co. Indiana Railways and Light Co. Indiana Utilities Company Interstate Public Service Company Lebanon-Thorntown Traction Co. Louisville and Northern Railway and Lighting Co. Louisville and Southern Indiana Traction Co. Marion-Bluffton Traction Co. Marion-Bluffton Traction Co. Southern Indiana Gas and Electric Co., Evansville Southern Michigan Railway Co. Terre Haute, Indianapolis and Eastern Traction Co Union Traction Company Vincennes Traction Co. Washington Street Railway Co.	1,206,748 22 16,786 35 901,326 89 175,928 98 358,722 51 460,968 91 97,750 06 298,997 41 127,376 61 62,884 37 115,936 17 842,831 50 632,398 08 754,131 22 274,139 11 4,809,986 68 452,893 81 756,143 48 15,631 67 286,726 55 554,700 73 115,372 84 4,083 107 59 940,083 04 332,033 16 4,348,103 67 4,348,103 67 3,977,393 92 80,850 22 20,374 95	38, 101 37, 1, 715 011 23, 483 73 520 17 13, 685 50 8, 586 07 1, 234 00 13, 845 86 81, 840 40 169 95 1, 317 85 35, 200 71 1, 165 00 11, 520 81 12, 305 15 556, 377 50 3, 424 19 11, 407 63 19, 99 97 3, 094 26 15, 455 11, 911 39 137, 279 75 22, 909 37 2, 315 41, 76, 884 99 118, 361 35 595 92 13, 398 95 595 92 12, 928 29	117, 284 23 4,220 387 34 962, 992 41 334,348 92 4,424,985 66 4,095,755 27 81,446 12 20,765 90 322,570 93

†Deficit.

TICS OF ELECTRIC RAILROADS

Year 1920

Operating Expenses					Net Opera-		
Power	Equipment	Way and Structure	Conducting Transporta- tion and Traffic	General and Miscellaneous	Taxes	Total (Including Taxes)	ting Revenue (Deducting Tax)
\$9,844 02 158,565 32 3,106 02 165,513 07 16,376 11 19,895 29 60,231 16 14,659 74 73,756 53 105,743 41	120,517 24 2,646 62 133,653 85 8,169 84 75,356 09 62,996 36 5,211 98 13,940 29	3,577 60 131,651 76 26,173 81	\$14,848 58 395,580 12 5,954 24 279,194 19 54,470 59 102,171 15 114,730 93 15,981 81 55,594 94 62,657 72	\$9,761 92 80,593 47 1,947 19 108,492 62 16,403 89 34,419 17 62,232 85 16,893 67 40,201 68 13,887 76	\$2,285 42 55,108 61 349 98 54,000 00 10,348 28 9,619 61 10,306 87 4,176 01 15,580 16 7,980 60	\$45,789 83 934,617 78 17,581 65 872,505 49 131,943 05 388,475 45 78,064 21 238,144 25 221,631 86	†\$2,237 31 310,231 81 919 71 52,305 13 44,506 13 53,362 96 81,079 53 20,919 8 74,697 02 †12,414 85
12,050 44 24,321 47 123,977 08 60,899 34 174,814 56 56,681 98 1,026,341 75 65,683 34	7,871 55 84,526 07 81,417 01 75,040 79 18,419 28 563,347 60 46,502 59	12,515 17 37,121 43 89,202 83 121,464 22 34,976 01	19,242 76 35,254 23 286,809 67 240,011 85 129,294 47,415 14 1,545,408 94 110,640 63	4,423 97 16,079 69 115,493 01 60,401 65 92,266 19 25,408 96 407,925 99 34,606 48	6,702 11 27,736 12 48,250 14 31,912 49 15,000 00 504,509 60 52,371 24	53,238 98 102,744 22 675,663 38 580,182 82 624,792 72 197,901 37 4,572,392 80 345,278 00	9,815 34 14,509 80 202,368 83 53,380 26 140,859 31 88,542 79 793,971 38 111,040 00
75,343 15 1,668 52 26,482 55 52,449 92 20,628 86	37,372 14 787 44 23,125 21 39,319 45 5,218 23	77,476 95 951 33 35,666 71 56,651 12 36,377 86	140,919 71 5,448 23 81,150 18 164,072 37 25,931 29	81,165 95 407 89 125,383 35 112,096 47 12,303 65	47,200 00 720 00 7,547 73 21,815 29 8,395 39	459,477 90 9,983 41 299,355 73 446,404 62 108,855 28	308,073 21 5,748 23 †9,534 92 123,752 02 8,428 95
1,078,147 49 97,046 61 34,199 04 737,800 68 752,823 74 7,584 06 2,292 29 85,969 64 354,761 42 105,743 41	299,056 63 74,403 86 22,691 66 315,150 92 411,028 61 4,964 02 3,630 53 25,589 78 156,114 33 8,814 09	597,411 17 129,262 74 32,583 30 694,274 14 531,422 35 9,870 64 1,208 81 50,260 24 390,479 26 22,548 28	1,175,325 15 311,437 98 55,807 57 962,012 30 856,580 01 17,062 11 7,973 29 83,265 99 555,462 89 62,657 72	371,710 68 81,629 60 66,293 96 450,438 40 397,950 20 14,923 77 840 72 28,065 09 189,974 02 13,887 76	253,524 30 72,235 13 18,466 91 282,012 48 211,434 35 1,320 54 764 38 13,463 18 136,851 32 7,980 60	3,775,175 42 766,015 92 230,042 44 3,441,688 92 3,161,239 26 55,725 14 16,710 02 286,613 92 1,783,643 24 221,631 86	445,211 92 196,976 49 104,306 48 983,296 74 934,516 01 25,720 98 4,055 88 35,957 01 280,193 60 †12,414 85
5,605,402 51	2,747,569 38	4,060,736 81	3,020,368 75	3,088,511 67	1,939,968 84	25,462,557 96	5,472,145 44

TABLE VIII. OPERATING STATIS

Calendar

. CLASS "A." ELEC

			Gross Operat	ing Revenues	
Location	NAME OF UTILITY	Commercial	Municipal	Other Public Utilities and Miscellaneous	Total
	(Municipally Owned)	;			
Anderson Fort Wayne	Municipal Light and Power Plant Municipal Light Plant	\$388,968 65 338,407 69		\$143 00 8,466 40	
Huntington Logansport Marion	Municipal Electric Light Plant Municipal Electric Light Plant Municipal Electric Light Plant	256,998 20	22,472 57	798 07	280,268 84
Mishawaka Peru Richmond	Municipal Electric Light Plant Municipal Electric Light and Power Municipal Electric Light and Power	93,674 10 124,224 43 343,465 12	5,782 32 21,177 32 21,782 23	12,603 72 23,860 23	
	(Privately Owned)			·	
Aurora	Interstate Public Service Co No. Indiana Gas and Electric Co	24,820 48	3,157 37		27,977 85
Hammond	No. Indiana Gas and Electric Co No. Indiana Gas and Electric Co No. Indiana Gas and Electric Co	1,356,949 08 367,663 07 225,906 42	88,226 92 17,332 09 28,496 75	4,596 80	
East Chicago Elkhart Mishawaka	No. Indiana Gas and Electric Co Indiana and Michigan Elec. Co Indiana and Michigan Elec. Co	See Combin		South Bend. South Bend.	
South Bend Elwood	Indiana and Michigan Elec. Co Indiana General Service Co Indiana General Service Co	1,576,492 39 See Combin See Combin	97,962 89 ed Report—	454,181 24	2,128,636 52
Muncie Evansville Fort Wayne	Indiana General Service Co. Evansville Public Utilities Co. Ft. Wayne and No.Ind. Traction Co.	1,474,560 04 628,799 25 833,350 69	69,355 13 50,240 42 12,452 27	115,045 41 39,811 70	1,658,960 58 718,851 37 863,006 07
Gary	Calumet Electric Co	5,001 30 505,619 19	2,621 28 48,091 17	159,815 52	167,438 10
Indianapolis Indianapolis	(Combined)	205,352 28 2,894,708 61 1,386,847 80	1,821 50 4,106 35 238,535 88	11,373 77	215,537 52 2,910,188 73 2,501,455 03
Jeffersonville New Albany	United Gas and Electric Co United Gas and Electric Co	244,279 69	30,231 90	66,196 06	340,707 65
KokomoLaporteLogansport	Indiana Railways and Light Co Laporte Gas and Electric Co Logansport Utilities Co	518,049 51 200,546 10 37,481 80	30,584 27 33,256 71	4,815 84 3,268 24	553,449 62 237,071 05 37,481 80
Terre Haute	Terre Haute, Indpls. and Eastern Tract. Co	763,565 50 453,447 82	63,707 07 39,389 53	20,928 22 121,416 15	848,200 79 614,253 50
WilliamsBedford	Southern Ind. Power Co Southern Ind. Power Co	} 161,903 88	14,063 16	76,367 61	252,334 65
ColumbusBloomingtonShelbyvilleNew Castle	Central Ind. Lighting Co. Central Ind. Lighting Co. Interstate Public Service Co. Interstate Public Service Co.	92,943 71 113,435 30 88,269 90 120,586 23		12,789 01	105,732 72 122,885 44 102,131 52 120,586 23
					1

[†]Deficit. *Credit.

TICS OF PUBLIC UTILITIES

Year 1920

TRIC UTILITIES

Operating Expenses							Net
Power	Transmission Storage and Distribution	Consumption and Commercial	General and Undistribu- ted	Depreciation and Contigencies	Taxes	Total	Operating Revenue
	,						
\$263,103 83 265,127 29	\$12,078 39 22,171 23	\$12,039 74 58,953 30	\$28,400 69 39,007 63			\$340,500 57 391,259 45	\$48,611 08 64,057 07
213,732 34	16,323 14	14,853 03	29,741 43	21, 167 24		295, 817 18	115,548 34
33,486 62 120,936 48 333,876 96	9,425 97 11,399 90 7,773 59	5,242 19 2,785 82 13,097 50	6,859 15 15,563 89 16,268 44	10, 995 94 7, 120 23 27, 044 57		66,009 87 157,806 32 398,061 06	33, 446 55 199 15 †8, 953 48
10,462 45	2,861 08	953 28	2,353 24	*464 40	\$1,521 00	17,686 65	10,291 20
740,028 97 345,020 97 189,773 60	90,652 52 23,454 38 20,464 10	91,524 21 21,271 87 13,638 64			53,095 26 15,907 57 19,524 57	1,013,928 80 418,804 97 254,748 07	479,055 36 †29,213 01 34,936 17
806,087 03	152,170 21	112, 171 41	202,543 32	140,000 00	173,436 37	1,586,408 34	542,228 18
713, 952 84 236, 841 41 430, 818 67 102, 333 01 86, 498 87	111,559 66 44,181 63 45,608 19 9,530 31 37,063 74	106, 106 79 37, 568 54 49, 662 12 	79,958 62 25,593 15 66,332 37 8,797 64 53,844 17	47,194 83 72,000 00 60,000 00 13,090 58 38,269 47	145, 177 85 79, 329 94 50, 064 82 3, 600 00 75, 492 00	1,203,950 59 495,514 67 702,486 17 137,351 54 311,718 88	455,009 99 223,336 70 160,519 90 30,086 56 242,620 48
143,625 23 1,335,217 03 1,329,623 39	5,891 65 176,584 84 84,258 82	5,058 53 184,563 23 185,981 91	25,230 52 156,429 77 181,861 43	20,006 40 410,473 55	9, 157 35 209, 543 73 186, 574 81	208, 969 68 2, 472, 812 15 1, 968, 300 36	6,567 84 437,376 58 533,154 67
201,776 57	30,478 60	21,916 82	26,960 21	1,764 25		282,896 45	57,811 20
255, 419 80 144, 115 25 54, 616 90	18,639 79 6,130 53 106 12	17,848 30 7,703 30 121 98	38, 981 85 28, 103 86 2, 349 87	11,649 68 1,680 00	9,072 11 327 29	330,889 74 206,774 73 59,202 16	222,559 88 30,296 32 21,720 36
342,229 90 231,546 40	114,757 68 36,754 42	56, 176 90 19, 344 52	132,724 56 77,198 17	88,400 01	30,246 10 10,943 37	676, 135 14 464, 186 89	172,065 65 150,066 61
204,684 15	16,085 25	3,835 79	14,174 96	*6,626 57	9,800 00	241,953 58	10,381 07
67,268 47 57,841 77 48,399 44 62,446 09	4,286 75 3,881 16 2,994 30 5,291 04	3,325 92 8,822 41 6,429 08 6,375 59	7,252 04 8,497 50 9,253 84 9,405 51	2,168 37 *1,466 46 *5,391 76 *3,150 34	4,820 00 10,833 00 11,136 00 4,380 00	89, 121 55 88, 409 38 72, 820 90 84, 747 89	16,611 17 34,476 06 39,310 62 35,838 34

Calenda^r

CLASS "B."

					CHASS B.
			Gross Operat	ing Revenues	
Location	NAME OF UTILITY	Commercial	Municipal	Other Public Utilities and Miscellaneous	Total
	(Municipally Owned				
AtticaAuburn	Municipal Light and Water Plant Municipal Water and Elec. Light	\$41,367 13	\$10,228 85	\$761 00	\$52,356 98
	Works	56,997 91 52,819 07	5,069 60 6,475 61	97,75 17,096 79	62,165 26 76,391 47
Bluffton	Municipal Elec. Light Dept	40,798 72 109,468 79	903 07 15,834 50		41,701 79 134,258 99
Decatur	Decatur Light & Power Plant Municipal City Light & Power Co Municipal Water & Elec. Light Dept.	165,295 85 34,159 71	20,685 77 1,979 39	515 14	186,496 76 36,139 10
Gas City	Municipal Water & Light Co Municipal Elec. Plant & Water Wks.	22,123 60			33,277 56
Greenfield	Municipal Elec. Light & Power Plant Municipal Elec. Light Dept	28,457 97	3,093 54		31,551 51
Linton	Munic, Elec, Light & Power Dept. Municipal Light Plant	39,606 92 150 00	4,009 58 9,110 00		43,616 50 9,260 00
Mitchell New Castle Portland	Municipal Elec. Light Dept. Munic. Elec. Light & Power Dept. Municipal Light Plant. Municipal Blec. Light Plant. Municipal Water & Light Plant. Municipal Elec. Light Plant.	308 81 63,253 22	7,513 91 11,034 32	2,976 40	7,822 72 77,263 94
Rushville Tell City	Ten City Elec. Light Dept	19.521 26	3,918 85	25 40	23,465 51
Tipton Washington	Tipton Electric Light Dept	46,956 96 47,295 09	5, 158 12 5, 838 21	8,180 92 2,639 51	60,296 00 55,772 81
	(Privately Owned)				
Alexandria Dunkirk	Indiana General Service Co				
Gas City Hartford City	indiana General Service Co				
BedfordLebanon	Interstate Public Service Co	72,813 25 64,392 12 42,000 91 27,107 96	9,464 24 17,318 83 8 107 31	9,992 05	82,277 49 81,710 98 60,100 23
Seymour Boonville Brazil	Boonville Elec. Light & Power Co. T. H. I. & E. Traction Co.	27, 107 96	2,817 55	207 87	30, 133 38
W. Terre Haute Clinton Clinton	T. H. I. & E. Traction Co)		,	
Clinton	Interstate Fubile Service Co. T. H. I. & E. Traction Co. T. H. I. & E. Traction Co. T. H. I. & E. Traction Co. Wabash Valley Elec. Co. (System). Wabash Valley Elec. Co. (Suburban) Wabash Valley Elec. Co. (Suburban) Wabash Valley Elec. Co. (Suburban) Hydro-Elec. Light & Power Co. Literstate Public Service Co.	234,215 39	22,400 42	26,035 39	282,651 20
Sullivan		197,332 01 38,422 13 80,194 32	13,632 14 5,226 74	10,139 05 335 84	221, 103 20 43, 648 87 80, 530 16
Goshen	Hawks Electric Co. (Goshen)	134, 547 32 48, 629 37	8,699 60 6,543 60	32,222 60	175,469 52 55,172 97
Greensburg	Greensburg Gas & Elec. Co	27,867 90	10,288 00 Report—Clin	19 83 ton.	38, 175 78
SeymourMadisonMartinsville	Jackson County Transmission Co Madison Light & Railways Co Martinsville Gas & Elec. Co	54,011 63 45,196 09	10,165 52	14,769 26 2,082 34 4,742 92	66, 259 49 49, 939 01
Mt. Vernon	Mt. Vernon Elec. Lt. & Power Co. Noblesville Heat Light & Power Co.	31,798 24 131,783 07	7,813 68 11,636 77	199 51 19,254 78	39,811 43 143,419 84
Plymouth Princeton Rochester	Plymouth Elec. Light & Power Co. Princeton Elec. Light & Power Co. United Public Service Co.	67,429 08 72,105 54	7,813 68 11,636 77 13,630 30 7,826 51 11,998 90 6,109 92 4 658 34	9,690 50	75, 255 59 93, 794 94
Union City Valparaiso	Union City Electric Co. Valparaiso Lighting Co. Wathau Light Heat & Power Co. Wabash Water & Light Co. Winona Elec. Light & Water Co. Citizens Heat Light & Power Co.	34,011 03 45,196 09 31,798 24 131,783 07 78,082 34 67,429 08 72,105 54 49,925 15 87,193 27	6,109 92 4,658 34	9,690 50 7,538 52	14,769 26 66,259 44 49,939 01 39,811 43 143,419 84 110,967 42 75,255 56 93,794 94 63,573 56 91,851 61
Valparaiso	Wahash Water & Light Co	125, 984 98 74, 770 56 35, 862 93	10,258 97	1,381 72	137,625 67
Wabash Warsaw	Winona Elec. Light & Water Co.	74,770 56	9,110 38 3,298 00	5,463 90	89,344 84 39,160 93 59,506 76

^{*}Credit. †Deficit.

OF PUBLIC UTILITIES-Continued

Year 1920

ELECTRIC

		Oj	perating Expen	nses			Net
Power	Transmission Storage and Distribution	Consumption and Commercial	General and Undistribu- ted	Depreciation and Contingencies	Taxes	Total	Operating Revenue
	,						
\$34,165 11	\$2,373 94	\$1,522 13	\$3,374 59			\$41,435 77	\$10,921 21
41,069 54 40,569 84 45,138 16 76,333 24	2,624 04 3,202 77 3,026 55 2,854 33	860 37 1,044 04 1,055 38 2,823 31	1,532 24 8,177 90 2,612 02 13,411 39	\$6,452 07 7,701 50 13,000 00		52,538 26 60,696 05 51,832 11 108,422 27	9,627 00 15,695 42 †10,130 32 25,836 72
102,319 64 20,626 67	12,216 51 1,217 56	3,845 35 1,639 39	13,022 58 2,853 21	111,055 50		142,459 58 26,336 83	44,037 18 9,802 27
14,666 90 33,176 88	2,303 88 1,338 24	1,705 39 367 69	4,682 92 680 47	5, 105 77 1, 606 50		28,464 86 37,169 78	4,812 70 †5,618 27
25,383 63 6,586 84	2,133 80 739 78	1,026 77	4,286 35 15 93			32,830 55 7,342 55	10,785 95 1,917 45
9,512 74 68,838 42	352 46 5,776 01	1,537 72 682 37	616 72 4,545 78	890 64		12,910 28 79,842 58	†5,087 56 †2,578 64
22,770 11 50,442 61 43,687 70	2,506 43 2,305 84 1,242 18	1,123 91 1,968 98 2,021 21	2,358 34 1,803 63 4,713 36	3,473 00 2,990 16		32,231 79 59,511 22 51,664 45	†8,766 28 784 78 4,108 36
· · · · · · · · · · · · · · · · · · ·							
40,325 76 81,692 82 33,613 96 12,436 63	6,768 91 3,055 58 3,299 23 3,126 91	5,820 10 3,560 34 2,707 65 694 38	9,003 47 8,707 32 5,907 49 5,786 58	*2,953 05 *2,100 23 *1,460 63 2,589 33	\$7,920 00 3,575 20 5,292 00 3,803 99	66,885 19 98,491 03 49,359 70 28,437 82	15,392 30 †16,780 08 10,740 57 1,695 56
	• • • • • • • • • • • • •						
113,067 27	13,845 81	21,013 82	44,550 57	32,954 10	15,075 00	240,506 57	42,144 63
143,587 28 18,676 66 49,095 39 97,890 38 24,214 35 15,731 24	4,367 26 3,530 23 2,881 92 7,969 60 4,529 91 1,249 54	7,683 43 2,570 53 10,990 05 15,215 28 1,572 40	26, 964 10 4, 517 19 16, 169 38 32, 239 85 8, 890 82 3, 578 89	17,209 96 *1,197 27 4,748 18 17,929 44 5,851 16 5,129 16	7,591 82 2,610 00 2,959 82 7,999 92 1,800 00 1,626 07	207,403 85 30,707 34 86,844 74 179,244 47 45,286 24 28,887 30	13,699 35 12,941 53 †6,314 58 †3,774 95 9,886 73 9,288 43
9,982 05 43,815 60 32,297 90 28,509 31 98,935 76 54,218 28 40,553 84 51,876 44 20,164 18	1,408 17 3,257 47 1,248 62 5,758 24 2,783 09 2,880 23 3,795 29 5,442 60	2,703 83 3,273 20 1,236 31	600 00 10, 294 01 5, 674 72 3, 275 09 18, 441 54 17, 023 50 9, 243 40 16, 403 55 10, 227 78	3,420 00 5,600 00 9,433 37	5,040 39 4,285 65 2,168 43	11,745 87 59,893 87 48,095 82 41,996 30 147,697 90 97,673 67 63,841 69 85,234 13 48,672 67 52,800 09	3,023 39 6,365 62 1,843 19 †2,184 87 †4,278 06 13,293 75 11,413 90 8,560 81 14,900 92 39,051 52
35,281 06 102,348 03 62,560 76 16,554 09 23,725 23	3,653 05 5,714 22 3,072 82 3,329 02 11,897 78	879 26	7,229 54 19,676 55 12,743 52 3,822 63 12,360 95	5, 104 04 12, 226 19 4, 300 00	12,286 55 2,500 13	145, 159 55 87,455 62 39,255 16	†7,533 88 1,889 22 †94 28

Calendar

CLASS "A."

			Gross Operat	ing Revenues	
Location	Name of Utility	Commercial Industrial and Power	Residuals (Net)	Other Utilities Municipal- ties and Miscellaneous	Total
Anderson East Chicago Elkhart Elwood Evansville Ft. Wayne Gary Hammond Huntington Indianaplois Jeffersonville Kokomo Lafayette Laporte Logansport Marion Michigan City Mishawaka Muncie New Albany Peru Peru Peru Richmond South Bend Terre Haute Vincennes Surburban	Northern Ind. Gas & Elec. Co. Elkhart Gas and Fuel Co. Central Indiana Gas Co. Public Utilities Co. Nothern Ind. Gas & Elec. Co. Gary Heat Light & Water Co. Northern Ind. Gas & Elec. Co. Huntington Light and Feul Co. Citizens Gas Co. United Gas and Electric Co. Kokomo Gas and Fuel Co. Northern Ind. Gas & Elec. Co. Laporte Gas and Electric Co. Northern Ind. Gas & Elec. Co. Central Indiana Gas Co. Northern Ind. Gas & Elec. Co. Central Indiana Gas Co. United Gas and Electric Co. Northern Indiana Gas & Elec. Co. Rorthern Indiana Gas & Elec. Co. Rorthern Indiana Gas & Elec. Co. Central Indiana Gas & Elec. Co. Rorthern Indiana Gas & Elec. Co. Central Gas and Electric Co. Northern Indiana Gas & Elec. Co. Central Gas and Electric Co. Corothern Indiana Gas & Elec. Co. Corothern Indiana Gas & Elec. Co. Corothern Ind. Gas & Elec. Co. Corothern Ind. Gas & Elec. Co.	194,514 98 63,222 20 375,504 50 783,201 13 342,741 33 531,168 80 96,499 29 1,876,655 27 60,459 61 213,213 60 234,940 90 234,940 91 15,163 12 171,633 45 236,971 34 156,277 87 545,098 54 119,038 71 114,032 30 229,369 24 740,981 62 408,640 05 108,429 65	\$89,035 59 22,651 33 153,407 04 17,651 08 2,751 58 31,73 29 41,600 73 6,331,017 23 28,920 39 74,918 29 20,997 16 42,759 34 45,503 83 51,688 14 3,801 08	\$3,501 56 252 00 629 44 32,155 09 9,361 56 227 27 472 33 472 33 1,142 87 555 45 11,431 28	287,052 13 85,873 43 539,163 54 800,852 21 346,122 35 566,497 18 138,100 02 8,217,034 06 89,153 23 213,213 60 309,859 28 136,6632 61 171,633 45 236,971 34 199,037 21

[†]Deficit. *Credit.

OF PUBLIC UTILITIES—Continued

Year 1920

GAS

	Operating Expenses					
Production Distribution	Commercial General and Undistributed(Including Municipal Lighting)	Depreciation	Taxes	Total	Net Operating Revenues	
\$136,801 68 \$23,706 0 204,979 98 9,072 7 60,538 93 9,628 3 363,912 59 48,413 3 573,947 55 35,635 3 111,846 75 26,903 3 96,165 28 6,032 5 6,469,075 27 328,072 6 68,188 65 6,312 2 172,033 53 17,776 9 74,357 33 7,048 2 111,578 51 12,188 3 111,578 51 12,188 3 111,578 51 12,188 3 111,578 51 12,188 3 111,578 51 12,188 3 111,578 51 12,188 3 111,578 51 12,188 3 111,578 51 12,188 3 111,578 51 12,188 3 111,578 51 12,188 3 111,578 51 12,188 3 111,578 51 33,494 5 130,978 02 11,701 6 74,332 01 72,567 43 3,494 5 142,201 73 9,287 7 445,737 19 63,871 2 147,141 32 21,884 9 145,466 78 9,988 9	7 \$15,673 55 \$14,267 57 7 5,432 42 21,363 48 0 3,860 89 3,514 60 1 9,548 06 43,070 46 1 9,548 06 43,070 46 1 44,926 56 21,861 76 7 3,925 15 13,334 16 2 105,214 64 109,505 48 3 2,658 39 63,070 52 6,779 90 63,070 52 5 12,675 33 9,10 37 7 2,641 08 19,260 86 7 22,641 08 19,260 87 7 13,416 96 19,323 98 8 10,822 67 9,851 77 7 11,583 96 7,521 47 7 11,583 96 7,521 47 9 4,931 21 11,696 46 0 9,958 91 4,206 16	29,274 96 6,999 96 224,544 41 1,800 00 1,602 99 5,521 70 3,000 00 9,000 00 28,500 00	16, 855 00 6, 086 57 45, 313 95 37, 834 82 40, 173 83 32, 258 77 6, 739 18 314, 875 22 10, 939 76 15, 225 87 5, 408 39 8, 955 48 13, 682 55 13, 219 64 34, 171 84 6, 048 78 23, 543 69 29, 217 25 45, 297 51	257, 703 65 83, 629 29 549,033 17 735,810 67 260,817 33 563,239 88 133,196 30 7,551,287 64 85,236 70 201,688 22 226,822 05 114,237 63 165,463 30 190,162 03 204,091 80 		

Calendar

CLASS "B." GAS

			Gross Opera	ting Revenues	3
Location	Name of Utility	Commercial Industrial and Power	Industrial Residuals		Total
Alexandria Aurora Auburn Bedford Bloomington Bluffton Brazil Columbus Connersville Connersville Frankfort Franklin Garett Gas City Goshen Greenfield Hartford City Kendallville Lawrenceburg Lebanon Linton Liberty Loogootee Madison Martinsville Middletown New Castle Noblesville Normal City Plymouth Princeton Riverside Rochester Selma Seymour Shelbyville	Central Indiana Gas Co. Interstate Public Service Co. Indiana Fuel and Light Co. Interstate Public Service Co. Central Indiana Lighting Co. Northern Ind. Gas and Elec. Co. Brazil Gas Co. Columbus Gas Light Co. Hydro-Elec. Light & Power Co. Peoples Service Co. Central Indiana Gas Co. Northern Ind. Gas and Elec. Co. Interstate Public Service Co. Central Indiana Gas Co. Goshen Gas Co. Goshen Gas Co. Greencastle Gas and Elec. Co. Interstate Public Service Co. Central Indiana Gas Co. Goshen Gas Co. Greencastle Gas and Elec. Co. Interstate Public Service Co. Linterstate Public Service Co. Central Indiana Gas Co. Greencastle Gas and Elec. Co. Interstate Public Service Co. Linterstate Public Service Co. Linton Gas Co. Linton Gas Co. Liberty Gas Light & Fuel Co. Loogootee Gas Fuel Co. Madison Light and Fuel Co. Martinsville Gas and Elec. Co. Middletown Gas Co. Indiana Gas Light Co. Central Indiana Gas Co. Northern Ind. Gas and Elec. Co. Princeton Utilities Co. Central Indiana Gas Co. Rochester Gas and Fuel Co. Selma Gas Co. Interstate Public Service Co.	52,186 92 10,675 99 53,268 39 9,408 18 24,621 12 19,433 30 9,163 06 65,928 26 60 001 14	2,022 22 35,737 41 14,362 20 12,059 84 18,628 48 22,913 91 1,951 14 5,644 12 25,114 18 6,423 34 2,338 08 9,818 40 705 121 85	\$97 55 437 15	\$49,340 00 10,291 04 147,642 30 46,190 46,970 46,970 46,970 46,970 46,970 46,970 46,970 47,520 11 78,764 15 66,246 94 12,186 22 75,080 73 20,826 68 24,850 62 22,171 96 52,186 92 13,014 07 53,268 39 9,505 73 34,439 52 19,440 35 9,505 73 34,439 52 19,440 35 4,511 27 1,511 66 52,801 01 44,606 49
Tipton. Union City Valparaiso Wabash Washington Warsaw Whiting Winchester Suburban	Indiana Gas and Light Co Union Heat Light & Power Co Valparaiso Light Co Northern Ind. Gas and Elec. Co Washington Water, Lt. & Power Co Warsaw Gas Co Northern Ind. Gas and Elec. Co Union Heat, Light and Power Co Central Indiana Gas Co		22,027 70 1,954 69 23,871 81		78,884 65 85,129 19 27,596 88 64,382 74
Rushville	Rushville Natural Gas Co	26,116 37 72,250 74	42,264 02		

†Deficit. *Credit.

OF PUBLIC UTILITIES—Continued

Year 1920

UTILITIES

		0	perating Expe	nses			
Production	Distribution	Commercial	General and Undistribu- ted (Included in Municipal Lighting)	Depreciation	Taxes	Total	Net Operating Revenue
\$33,132 78 9,852 03 92,863 93 45,735 03 45,735 04 45,398 41 25,399 45 27,392 90 50,644 43	\$5,404 88 630 30 4,576 40 3,049 54 2,773 54 9,387 19 3,215 85 2,849 17	141 16 3,363 91 1,393 38 1,793 10	\$2,034 96 678 81 19,718 78 3,410 40 2,955 65 5,554 79 7,331 02 7,605 71	*\$133 96 5,816 11 45 25 *510 07 2,314 48 3,470 55	\$3,331 17 438 75 7,951 78 3,000 00 3,768 00 2,428 21 5,795 41 3,600 00	\$46,139 24 11,607 09 134,290 91 56,633 63 56,178 63 46,607 01 46,168 40 71,813 01	\$3,200 76 † 1,316 05 13,351 39 †10,443 20 †13,339 63 370 70 1,351 71 6,951 14
56,813 09 7,942 65 42,251 34 17,846 04	2,269 46 1,193 66 4,497 51 919 92	381 66 1,019 91 6,503 37 609 14	928 48	*191 67	918 52 1,071 75 6,257 66 900 00	66,839 39 12,156 45 63,804 12 21,641 08	90 77
91,814 33 19,786 27 13,531 98 30,203 34	3,739 49 1,331 78 2,013 23 2,172 13	960 00 1,373 37 1,738 75		960 00 195 4 3	5,316 31 1,195 78 2,300 00 1,826 22	115,238 07 27,158 79 21,755 90 37,523 16	†20,301 24 †2,308 17 416 06 14,663 76
13,537 97 30,636 01	554 78 4,496 39	3,994 77	1,045 88 5,739 69		108 61 2,369 80	15,247 24 47,236 66	†2,233 17 6,031 73
7,618 46	1,017 59	130 00	722 11		89 00	9,577 16	†71 43
22,572 35 13,464 02 4,766 22 42,502 79 32,912 92	1,118 37 571 49 1,250 00 2,612 66 4,167 76	226 37 754 04 3,110 97 2,095 43	5,236 53 4,549 50 2,444 00 5,173 03 9,275 69	858 48 *1,732 69	1,512 00 1,129 28 200 88 2,409 00 4,951 75	30,989 26 21,326 81 8,661 10 54,075 76 63,403 55	3,450 26 †1,886 46 939 11 11,852 50 †3,402 41
16,337 11 16,448 64	1,949 38 506 54	2,157 37 409 55	912 52 3,468 34	2,298 00	2,521 04 1,548 45	23,877 42 24,679 52	3,232 41 †1,530 16
24,331 83	2,625 47	710 56	3,640 24	960 00	1,760 50	34,028 60	2,082 67
40,595 78 33,867 09			1,474 00 3,469 48 3,988 73	577 69 *701 89	3,108 00 4,800 00	1,474 00 51,154 24 45,644 35	37 66 1,646 77 †1,037 86
57,704 01 54,857 22 21,539 04 56,144 35	4,521 71 8,054 77 2,161 81 2,348 20	2,209 10 6,794 68 823 69 1,571 72	10,592 72 2,385 25		5,981 85 4,438 17 2,499 44 2,973 82	75,745 23 84,737 56 31,316 55 71,806 36	3,139 42 391 63 †3,719 67 †7,423 62
64,760 74 16,397 27	5,852 98 7,554 55		3,613 76 3,570 76		6,027 86 2,274 18	19,565 54 86,201 85 33,326 44	6,550 83 28,312 91 †2,246 01

Calendar

HOT WATER

Gross Operating Revenues

		cipal Miscellaneous	Total
Crawfordsville Heating Co. Elwood. Indiana General Service Co. Fowler. Interstate Public Service Co. Indianapolis Merchants Heat and Light Co. 15. Lafayette. Northern Ind. Gas and Elee, Co. 7. Laporte. Laporte Gas and Electric Co. 5. Laporte. Laporte Gas and Electric Co. 6. Marion. Interstate Public Service Co. Marion. Indiana General Service Co. New Castle. Interstate Public Service Co. 1. Peru. Peru Heating Co. 3. Peru. Peru Heating Co. 3. Peru Heating Co. 3. Princeton Princeton Co. 1. Perus Marion. Interstate Public Service Co. 1. Perus Heating Co. 3. Perus Heating Co. 3. Perus Heating Co. 3. Princeton Princeton Princeton Co. 1. Perus Heating Co. 3.	8,596 01 6,255 50 9,103 46 44,864 19 0,797 80 6,204 32 2,839 28 11,686 00 3,839 37		\$8,596 01 56,255 50 79,103 46 154,864 19 70,797 80 56,204 32 12,839 28 31,686 00 13,839 37

STEAM

	C / LTT / C	050 000: 45		950 000 45
Anderson				
Batesville	Batesville Elec. Light & Pr. Co			
Columbia City	Municipal Heating Plant			
Evansville	Evansville Public Service Co			
Goshen				
Hope	Pulse & Porter Elec. Light Plant	449 02		 449 02
Huntington	Huntington Light and Fuel Co	37,626 64	\$8,445 59	 46,072 23
Indianapolis	Indianapolis Light and Heat Co			
Indianapolis	Merchants Heat and Light Co	463,236 71		 463,236 71
Kokomo	Indiana Railway and Light Co			
Logansport	Logansport Heat and Power Co	55,467 78		 55,467 78
Martinsville	Martinsville Gas and Electric Co			
Mooresville	Mooresville Public Service Co			
Muncie	Indiana General Service Co	176,087 88	12,563 40	 188,651 28
Noblesville	Noblesville Heat, Light & Power Co.			
Rensselaer				
Rochester	United Public Service Co			
South Bend		81.417 82		 81,417 82
Terre Haute				
Thorntown	Municipal Heating Plant			
Warsaw	Winona Elec, Light & Water Co			
11 21 32 11	Willoug Lico, Light & Water Co., .	1,110 01		 .,

†Deficit. *Credit.

OF PUBLIC UTILITIES—Continued

Year 1920

HEATING

		Opera	ating Expenses	3			27.
Station Expense	Distribution	Consumption and Commercial	General and Undis- tributed	Depreciation and Contingencies	Taxes	Total	Net Operating Revenue
\$4,704 28 41,481 72		\$212 75 132 10	\$1,084 39 3,272 71	\$1,800 00 3,500 00	\$1,442 76 2,476 00		†\$763 28 3,903 32
47,954 03 126,483 08 63,226 56 33,233 00	3,308 76	6,575 38 2,730 51	7,001 80 12,209 10 2,194 11 4,593 25		3,307 80 9,506 87 1,785 51 2,965 87	68,698 01 161,073 12 73,245 45 50,191 14	10,405 55 16,208 93 12,447 65 6,013 18
11,747 68 25,323 73 8,009 94 44,490 75	412 46 411 10 964 17 15 52			1,140 00	511 00 2,688 50 1,680 13 1,843 23	11,794 24	2,045 13
HEATING							
\$44,109 07	\$2,006 71	\$5 60	\$5,716 43	\$5,933 76	\$972 00	\$58,743 57	†\$704 12
27,383 73 5,858 36 460 59 38,453 68 140,515 55 317,680 34	394 38 8,417 13 9,161 87	2,338 16 603 55 36,779 25 11,262 66	2,861 59 839 44 3,741 99 644 00 12,112 24	8,000 00 530 84 50 00 3,274 20 20,845 54	6,148 75 30 00 1,941 79 8,990 73 21,013 67	52,015 08 7,228 64 540 59 48,409 59 216,192 20 371,230 78	†44 08 †5,066 52 †91 57 †2,337 36 †29,085 27 92,005 93
51,417 98	5,231 38	968 62	6,505 65	2,520 00	654 57	67,298 20	†11.830 42
112,768 28 10,637 12	13,208 63 476 09	3,137 16 220 28	2,214 21 1,799 89	8,120 71 1,247 35		147,833 96 14,380 73	40,817 32 1,098 08
13,080 59 54,900 15	1,138 99 5,119 29	585 25 774 01	3,969 67 2,864 85	2,000 00 4,150 00		21,845 91 72,295 72	1,749 08 9,122 10
6,441 71	1,089 71	30 57	36 89	450 73	205 46	8,255 07	1,076 16

Calendar

CLASS "A."

		Gross Operating Revenues				
Location	Name of Utility	Exchange	Toll	Rentals	Miscellaneous	
New York	American Tel. & Tel. Co		\$38,136,456 57		\$17,894,168 35	
Hammond	Illinois Bell Tel. Co.(Ind.only)	\$485,558 71				
Terre Haute	Citizens Independent Tel. Co	340,836 71				
Kokomo	Citizens Telephone Co	Purchased by		Telephone Co	mpany	
Elkhart	Home Tel.Co.of Elkhart County.	99,682 03			1,077 75	
Goshen	Home Tel.Co.of Elkhart County.	43,731 57	9,924 53		477 75	
Wakarusa	Home Tel.Co.of Elkhart County.					
Ft. Wayne	Home Tel. and Tel. Co	388,398 88		3,030 50	11,549 85	
Indianapolis	Indianapolis Tel. Co	Purchased by 173,238 16		1,626 50		
Lafayette Laporte	Lafayette Telephone Co Laporte Telephone Co	110,473 33		1,020 50		
Logansport	Logansport Home Tel. Co	106,646 58	17 /22 26			
Valparaiso	Northwestern Ind. Tel. Co	41,128 33	11 402 52		2,394 92	
(Toll Lines)	Northwestern Ind. Tel. Co	41,120 00	876 03			
Chesterton	Northwestern Ind. Tel. Co	8,276 25			308 74	
Hobart	Northwestern Ind. Tel. Co	14,041 40			665 94	
Kouts	Northwestern Ind. Tel. Co	3,977 55				
Miller	Northwestern Ind. Tel. Co					
Wheeler	Northwestern Ind Tel. Co	1,443 75	338 61		40 11	
Richmond	Richmond Home Tel. Co	115,521 42	19,871 78		54 21	
Evansville	Southern Tel. Co. of Indiana	Purchased by			mpany	
Winchester	The Eastern Indiana Tel. Co	74,335 67				
Bluffton	United Telephone Co	Purchased by		Telephone Co		
Knox	Winona Tel. Co. (Combined)	73,783 98	23,235 88		677 60	
Bryan, Ohio Louisville, Ky	Williams County Tel. Co Independent Long Distance Tel.	68,071 27	17,545 79		077 00	
Louisville, IXy	and Telegraph Co	6,572 30	88.066.04		1,389 91	
New Albany		1				
Sellersburg /	Louisville Home Tel. Co	88,566 57				
Seymour	Southern Ind. Tel. & Teleg. Co	67,118 18				
Brazil	Citizens Tel. Co. of Clay County.	57,224 79			283 78	
Michigan City	Merchants Mutual Tel. Co	67,724 26	8,130 36		138 36	
Chicago, Ill	Central Union Tel. Co	9,706,961 76	3,663,327 48		430,582 4	
Wabash	Home Telephone Co	62,599 84	9,519 65	600 00 Telephone Co	711 40	
South Bend	South Bend Home Tel. Co	Purchased by			mpany	
Indianapolis	Central Union Tel. Co	Purchased by	Indiana Dell	refebuone Co	шрацу	

†Deficit.

OF PUBLIC UTILITIES—Continued

Year 1920

TELEPHONE

	Operating Expenses					Net	
Total	Maintenance and Depreciation	Traffic	Commercial	General and Miscellaneous	Taxes and Uncollectible Accounts	Total	Operating Revenue
\$56,030,624 92 693,070 21 367,094 05	304,132 70	221,610 19	82,870 86	24,879 29	42,095 80	675,588 84	
112,514 89 54,133 85							
494,994 89	135,474 11	180,769 58	48,078 15	64,066 71	28,012 19	456,400 74	38,594 15
178,105 64 125,698 31 124,074 94 55,015 77 879 18 11,842 81 19,102 11 5,119 84	41,471 26 37,293 76 13,643 72 1,236 72 2,759 45 4,752 74	35,229 46 33,933 12 18,233 18 4,215 74 7,144 41	8,524 38 8,368 60 2,321 65 379 80 529 49 855 35	11,255 04 8,001 51 5,104 07 420 45 863 50 1,305 72	8,245 17 9,668 40 2,341 35 209 06 418 09 627 15	104,725 31 97,265 39 41,643 97 2,246 03 8,786 27	44,534 36 20,973 00 26,809 55 13,371 80 †1,366 85 3,056 54 4,416 74 †119 81
1,822 47 135,447 41	766 45 59,146 63		81 46 3,030 95			2,831 30 103,571 44	†1,008 83 31,875 97
103,880 48	35,524 51	26,721 55	1,655 47	8,301 52	7,889 28	80,092 33	23,788 15
97,019 86 86,294 66							18,006 80 12,255 85
96,028 25	56,278 70	12,671 06	207 06	13,220 63	3,127 74	,	10,523 06
99,860 11		· ·	8,591 22	.,		,	16,788 69
76,172 75 69,552 66 75,992 98 12,939,706 79 73,430 95	26,547 23 23,249 14 4,825,423 51	12,824 79 15 415 34 4,191,134 68	5,417 35 7,004 21	3,316 37 3,729 82 481,582 62	10,185 00 5,144 00 762,841 41	58,290 74 54,542 51 11,493,524 18	2,607 17 11,261 92 21,450 47 1,446,182 61 13,155 19

Calendar

CLASS "B."

			Gross O	perating Rever	nues
Location	NAME OF UTILITY	Exchange	Toli	Rentals	Miscellaneous
Attica	Attica Telephone Co	\$15,338 06	\$4,316 01		\$35 6
Brookvillel	Attica Telephone Co	\$15,338 06 13,913 53 26,925 20 11,026 75	5,196 39 3,643 07 2,920 78		1,212 4
West Lebanon Delphi	Cadwallder Telephone Co	26,925 20	3,643 07	\$54 00	291 9
Cambridge City	Citizens Telephone Co		2,920 78 6,379 28	1,247 30	168 4 23 0
Columbus	Citizens Telephone Co Citizens Telephone Co	30,221 30 41,465 99 35,912 26 13,601 17 11,037 10 27,084 96 50,275 54	4 634 90		134 9
Decatur	Citizens Telephone Co	35,912 26	13,265 15	318 18	1,299 9
Fairmount	Citizens Telephone Co	13,601 17	5,765 95	. 318 18	511 0
Churubusco	Citizens Telephone Co. Citizens Telephone Co. Citizens Telephone Co. Churubusco Telephone Co. Commercial Telephone Co. Connersville Telephone Co. Consolidated Telephone Co. Consolidated Telephone Co.	97 084 06	13,265 15 5,765 95 2,228 34 13,359 48		$\begin{array}{c} 160 \ 0 \\ 1,401 \ 2 \end{array}$
Warsaw Connersville	Connersville Telephone Co	50.275 54	6,567 78		1,401 2
Danville	Consolidated Telephone Co	29,144 50	4.215 36	382 00	185 2
Crown Point	Crown Point Telephone Co	29,144 50 18,872 70	2,894 96	96 00	4 2
Greensburg	Decatur County Indpt. Tel. Co	46,121 66 41,881 55 16,204 91 14,557 91	5.018 09		149 3
Huntingburg North Manchester.	Eel River Telephone Co	16 204 91	3 036 80		33 6 729 2
Corydon	Eureka Telephone Co	14,557 91	866 50		568 8
Columbia City	Farmers Mutual Tel. Co	23,479 52 14,976 43	£0 00	4	195 0
CorydonColumbia CityFloraCovington	Decatur County Indpt. Tel. Co Dubois County Telephone Co Eel River Telephone Co Eareka Telephone Co Farmers Mutual Tel. Co Flora Telephone Co	14,976 43	2,062 35		528 6
Franklin	Pountain Telephone Co	9,616 55 36,862 13 23,584 33 17,486 20	2,014 72 4 400 91	• • • • • • • • • • • • • • • • • • • •	318 4
Garrett	Garrett Telephone Co	23.584 33	1.190 02		421 6
Greencastle	Greencastle Telephone Co	17,486 20	4,171 66		
Greenfield	Greenfield Telephone Co	19,573 91	5,692 73		23 8
Angola	Steuben County Tel. Co	44,830 95	10,324 15	46 00	& Tolor Co
Noblesville	Home Telephone Co	See combined	report South	ern ind. iei.	105
Portland	Home Telephone Co	26,253 89 36,515 92 26,546 80 39,589 73	4,511 59		
Salem	Hoosier Telephone Co	26,546 80	1,268 21		
Clinton	Indiana Tel. & Teleg. Co	39,589 73	6,773 46	2 52	829 8
Fowler Rensselaer	Franklin Telephone Co. Garrett Telephone Co. Greencastle Telephone Co. Greenfield Telephone Co. Steuben County Tel. Co. Home Telephone Co. Home Telephone Co. Home Telephone Co. Home Telephone Co. Housier Telephone Co. Indiana Tel. & Teleg. Co. Indiana Union Tel.& Teleg.Co. Jasper County Telephone Co. Jennings County Telephone Co.	5,941 31 20,850 61	1,047 93		241 8 1,403 8
North Vernon	Jennings County Telephone Co	See combined	report South	ern Ind. Tel.	1,403 & & Teleg. Co.,.
St. Louis, Mo	Jennings County Telephone Co. Kinlock Long Distance Tel.Co. Kinightstown Telephone Co. Lafontaine Telephone Co. Lebanon Telephone Co. Ligonier Telephone Co. Ligonier Telephone Co. Madison Telephone Co. Martinsville Telephone Co. Mitchell Telephone Co. Nothell Telephone Co. Nappanee Telephone Co. New Home Telephone Co. New Home Telephone Co. Noble County Telephone Co.	No Data 15,090 21 11,838 69 33,002 65			
Knightstown	Knightstown Telephone Co	15,090 21	3,023 66	138 00 42 00 569 00	266
Lafontaine	Latontaine Telephone Co	11,838 69	1,162 69	42 00	749
iberty	Liberty Telephone Co	17,535 65	2.991 09		113
Liberty Ligonier Madison Martinsville	Ligonier Telephone Co	10,512 01	3,442 41		129
Madison	Madison Telephone Co	28,372 04 22,286 25 15,655 73	7,013 14		878
Martinsville	Martinsville Telephone Co	22,286 25	4,008 75		29 79
Mitchell	Monticello Telephone Co	21,281 29	4.331 58	569 00	467
Nappanee	Nappanee Telephone Co	12,587 95	4,189 25		46
inton	New Home Telephone Co	44,843 96	16,065 45		
Albion Lagrange	Noble County Telephone Co Northern Ind. & Southern Mich. Tel., Teleg. & Cable Co Ohio River Telephone Co	12,985 35			19
ьадганде	Tel. Teleg. & Cable Co	25, 202, 19	4,663 19		
Rising Sun	Ohio River Telephone Co	25,202 19 20,294 68	5,780 85		
Rockville	Parke County Telephone Co People's Mutual Telephone Co	18.905 46	4,580 55	12 00	229
Silver Lake		14,315 95	2,066 41	12 00 120 00 120 00	1 114
Petersburg Princeton	Pike County Telephone Co. Princeton Telephone Co. Ripley Farmers Co-oper Tel.Co. Rochester Telephone Co. Rushville Co-operative Tel. Co. Southern Indiana Tel. Co. Sullivan Telephone Co.	32,523 57 27,972 04 15,361 33 24,486 36	2,635,58		1,114 1,919
Carthage Rochester	Ripley Farmers Co-oper.Tel.Co.	15,361 33	783 61	120 00	
Rochester	Rochester Telephone Co	24,486 36	9,709 63	120 00	287
Rushville	Rushville Co-operative Tel. Co.	33,153 08	4,247 23		1,321 157
Aurora Sullivan	Sullivan Telephone Co	28,566 04 23,095 76	21,678 71		241
lipton	Tinton Tolonhono Co	91 481 19	5,624 39		20
Tipton Union City	Union City Telephone Co. Western Indiana Telephone Co. Whitley County Tel. Co. Prublic Service Telephone Co. Bremen Home Telephone Co.	34,086 25	4,010 48		
xoodland	Western Indiana Telephone Co	8,845 55	3,039 71		421 6
Columbia City Leesburg	Public Service Telephone Co.	12,030 77	1.567 21		163
Bremen	Bremen Home Telephone Co	10,247 29	1,508 58	3	
BremenButler			1,255 50		60
Hope	Hope Independent Tel. Co	15,276 35	1,679 38		117 509
Huntington R.R.5. Monroeville	Hope Independent Tel. Co The Majenica Telephone Co Monroeville Telephone Co	15,276 35 11,209 43 10,944 87	2,118 28 700 30		201
Albany	The Co-operative Telephone Co Citizens Telephone Co	12,391 56	1,290 62		5
		13,431 99			7

OF PUBLIC UTILITIES—Continued

Year 1920

TELEPHONE -

				Operation	g Expenses			Net
То	otal	Maintenance and Depreciation	Traffic	Commercial	General and Miscellaneous	Taxes and Uncollectible Accounts	Total	Operating Revenue
20, 30, 14, 43, 46, 50, 20, 20, 33, 41, 56, 33, 21, 49, 19, 19, 12, 41, 25, 21, 21, 22, 21, 22, 23, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24	689 72 322 41 914 17 115 93 870 99 235 13 477 35 196 38 425 44 845 65 843 32 927 09 867 91 289 12 433 72 289 12 443 72 289 72 28	\$5, 191 52 7, 803 39 14, 163 23 5, 949 10 12, 671 61 10, 644 91 15, 736 86 6, 964 12, 3, 916 73 10, 104 56 24, 456 60 15, 470 41 7, 129 83 21, 381 20 17, 423 24 5, 698 45 7, 792 58 4, 230 11 2, 675 33 15, 149 44 7, 168 76 7, 168 76 7, 168 89 9, 288 07 18, 868 96 ass "A"	\$5,068 05 3,896 00 8,863 05 4,159 27 12,032 59 13,783 16 14,832 52 6,174 81 2,891 02 9,625 24 16,504 80 11,064 52 11,101 42 10,782 80 12,400 08 4,519 82 8,943 24 9,291 30 4,840 41 2,595 18 11,925 17 6,490 78 7,073 89 7,051 48 22,169 36	317 68 771 64 1,707 43 1,841 85 2,425 02 107 56	\$1,821 19 3,538 52 5,962 97 3,481 54 7,571 17 6,702 47 4,236 34 1,792 01 2,848 44 8,393 66,442 93 8,865 46 439 67 4,465 97 3,722 49 2,811 29 2,811 29 2,811 29 1,478 61 2,588 29 1,1962 61 6,347 61 6,347 61 2,166 71 9,976 35	837 47 2,550 69 2,033 24 2,633 71 768 00 2,841 92 2,468 15 2,032 23 620 52 1,433 54 933 30 855 00 2,350 15 1,570 02 1,284 18 924 70 3,600 55	\$14,754 53 16,019 04 30,568 06 15,284 71 35,586 27 39,106 63 18,087 48 10,493 66 30,991 77 49,289 21 21,280 77 41,896 91 36,121 52 15,062 40 16,937 82 21,241 66 14,188 45 8,446 12 36,157 32 36,157 32 21,268 34 21,188 45 8,168 36 21,307 44 56,451 13	\$4,935 19 4,303 37 346 11 1,1168 78 8,284 72 7,128 86 9,250 72 2,108 90 2,931 78 10,853 88 7,554 11 75,814 44 587 14 7,392 21 8,312 20 4,908 91 1,944 53 2,423 76 3,379 01 4,103 60 5,114 74 5,993 62 3,983 17 1,206 13
30, 41, 27, 47, 7, 26	,285 31 ,027 51 ,815 01 ,195 53 ,830 74 ,326 05 nour Cl	8,882 66 12,207 88 11,151 53 12,732 98 2,356 23 10,083 31	9,220 93 9,025 17 9,329 21 14,391 92 2,532 51 8,562 38	1,311 79	3,653 28 6,466 51 3,972 18 2,655 14 353 80 5,587 28	2,690 36 287 90	27,503 05 31,025 84 27,383 16 38,274 67 6,842 23 25,449 41	2,782 26 10,001 67 431 85 8,920 86 988 51 876 64
39 20 14 36 26 19 26 16	,518 08 ,045 48 ,052 52 ,526 74 ,084 11 ,263 68 ,324 40 ,722 51 ,649 83 ,823 45 ,876 95 ,499 07	10,284 20 8,533 21 4,150 04 12,490 07 9,444 41 6,814 74 10,223 09 5,792 83 12,219 80	4,311 90 5,619 90 9,344 19 4,217 04 3,450 79 11,660 64 5,776 98 5,679 98 6,349 94 3,601 89 20,164 15 5,058 19	215 85 1,166 04 125 58 3,110 30 1,552 90 1,536 87 2,312 50 882 95 7,173 63	6,493 94 3,967 69 3,269 84 2,953 79 4,986 75 3,078 36 2,951 16 2,776 01 2,539 06	3,848 24 585 44 697 36 2,357 95 3,914 10 900 00 1,487 16 789 71 2,624 84	15,697 20 13,112 77 31,136 61 17,428 96 11,568 03 32,572 75 25,675 14 18,009 95 23,323 85 13,843 39 44,721 48 12,176 48	2,820 88 167 29 7,915 3,097 78 2,516 08 3,690 93 649 26 1,712 5 3,325 98 2,980 96 17,155 47 2,322 59
26 23 16 38 32 16 34 40 45 27 38 11 11 12 17	2,312 45 7,073 23	9,894 69 6,607 00 8,290 81 10,536 19 6,340 83 8,731 80 6 20,151 25 8 11,778 90 11,156 62 7,195 30 3,672 42 7 11,449 78 7 3,807 14 6,684 43 7 4,684 43 8 4,498 08	5,507 4 8,483 67 4,563 63 6,842 57 6,207 33 11,116 95 9,532 06 7,439 76 9,520 66 2,576 83 3,133 34 4,257 67 11,639 66 2,576 83 3,133 34 4,233 66 4,330 66 4,330 66 8,282 82	20 00 24 2,045 64 2,045 64 2,045 64 2,045 64 2,045 64 2,514 99 65 3,080 31 865 94 65 65 184 11 554 81 21 14 21 74 01 306 77 79 2,444 4 17 79 2,444 5	4,290 56 3,657 36 5,198 36 6,5,198 36 6,5,198 36 6,5,198 36 1,598 26 3,299 11 6,4,757 00 1,598 26 6,4,303 00 1,3826 5 1,734 11 2,804 33 2,804 33 3,805 55 4,805 76 1,805	5 1,532 65 6 452 84 1,401 58 1,401 58 1,471 58 1,471 58 1,471 58 1,471 58 1,471 58 1,601 58 1,700 05 4,44 4,828 02 1,603 59 1,581 60 3,630 74 3,837 76 8,838 76	29,176 41 21,329 09 21,467 84 13,743 56 31,747 45 26,103 11 13,622 49 23,260 15 33,920 63 32,305 25 32,305 25 32,301 3 66 20,313 06 20,313 06 29,272 69 9,272 69 9,272 69 11,324 03 9,245 41 10,251 11 15,388 38 14,277 73 10,007 17 11,562 50	688 97 4,746 44 2,259 67 2,638 80 6,476 26 6,334 20 2,642 45 11,343 64 4,801 45 7,961 13 12,115 56 6,793 15 7,088 31 2,638 88 2,437 45 2,610 46 2,061 43 1,684 85 †440 37 1,839 00 2,125 38 1,362 24

Calendar

CLASS "A." WA

			Gross Opera	ting Revenues	
Location	NAME OF UTILITY	Commercial and Industrial	Municipal Fire Hydrants	Miscellaneo's	Total
	(A) MUNICIPALLY OWNED				
Anderson. Evansville. Fort Wayne Hammond Huntington Lafayette Laporte. Logansport. Marion Michigan City Mishawaka Peru. South Bend	Anderson Water Works Evansville Water Works Fort Wayne Water Works Hammond Water Works Huntington Water Works Lafayette Water Works Laporte Water Works Logansport Munic. Water Works Marion City Water Works Michigan City Water Works City Water and Light Co. Peru Water Works City Water Works	214,292 37 196,040 34 122,692 09 38,454 49 97,311 16 46,989 74 	31,762 50 20,440 00 15,040 75 14,600 00 10,403 25 	4,790 68 7,170 79 7,668 45 5,725 02 60 00	\$59,695 88 233,187 63 232,593 52 150,302 88 61,163 69 117,636 18 57,452 99 58,457 84 51,350 46 41,928 08 45,148 23 229,842 92
	(B) PRIVATELY OWNED				
East Chicago Elkhart Elwood Gary Indianapolis Jeffersonville	E.Chicago & Ind.Harbor Water Co. Elkhart Water Co. Elwood Water Co. Gary Heat Light & Water Co. Indianapolis Water Co. Jeffersonville Water Light and	137,271 32 72,353 87 24,327 24 184,531 66 1,207,546 07	17,001 39 15,797 44 8,480 00 25,400 41 167,338 25	344 37 123 46 14,000 80	88,495 68 32,930 70
Kokomo Muncie New Albany Richmond Terre Haute Vincennes	Power Co. Kokomo Water Works Muncie Water Works Co. New Albany Water Works C. Richmond City Water Works. Terre Haute Water Works Co. Vincennes Water Supply Co.	35,894 23 81,742 13 104,965 04 96,654 24 94,182 14 191,258 61 60,533 72	9,448 29 13,140 76 13,085 95 13,888 42 20,305 25 57,811 31 14,524 56	2,304 20 4,019 80 439 80 10,224 09 2,551 33	45,342 52 97,187 09 122,070 79 111,036 46 124,711 48 251,621 25 76,954 25

[†]Deficit.

OF PUBLIC UTILITES—Continued

Year 1920

TER UTILITIES

		C	perating Expe	nses			Net
Pumping	Distribution	Commercial	General and Undistribut'd	Depreciation	Taxes	Total	Operating Revenue
\$34,065 25 109,788 62 67,616 03 62,596 02 35,869 64 76,984 52 28,390 28 50,710 10 36,381 48 22,018 24 26,108 83 45,118 55	\$4,831 35 29,762 69 21,742 40 6,457 29 2,519 61 5,029 38 898 59 4,799 73 3,457 53 3,903 90 2,442 58 24,551 50	6,070 11 10,147 02 1320 58 331 24 2,430 63 213 77 	28,144 72 26,476 83 27,341 37 3,520 96 5,831 82 4,546 85 	18,000 00 11,901.24 8,590 93 2,428 19 3,900 00 		\$52,967 17 191,766 14 137,883 59 106,306 19 44,669 64 90,276 35 37,949 49 52,623 08 52,623 08 59,988 70 47,003 74 39,831 14 37,870 14 126,734 78	\$6,728 71 41,421 49 94,709 93 43,996 69 16,494 05 27,359 83 19,503 50 5,834 76 18,638 24 15,040 48 7,386 94 7,278 09 103,108 14
54,756 37 30,498 65 10,708 71 30,035 91 222,583 29 15,073 77 17,829 94 30,286 28 45,024 13 23,400 78 56,399 08 22,439 08	7,770 90 1,641 09 3,419 50 27,478 12 246,902 38 2,189 30 9,359 15 3,145 98 3,994 22 7,896 32 11,284 96 4,293 29	1,405 61 810 99 343 71 5,515 86 6,811 17 256 77 4,469 39 3,117 81 3,894 74 4,427 26 8,872 97 3,849 77	11,593 83 11,155 43 5,296 89 36,897 71 109,685 14 5,517 58 17,994 92 12,583 09 8,267 57 13,961 88 9,392 48	12,000 00 15,000 00 1,375 91 60,200 74 80,705 50 6,107 36 731 89 3,559 29 3,140 99 18,037 87 10,534 75 3,935 88	21, 125 52 12, 278 93 3, 315 54 31, 757 22 275,000 00 5,179 24 8,204 46 22,466 21 9,261 99 15,068 73 61,257 86 12,356 39	108,652 23 71,385 09 24,460 26 191,884 94 741,687 48 34,324 02 58,589 75 75,258 66 73,583 64 82,792 84 182,378 30 56,266 89	48,834 91 17,110 59 8,470 44 32,047 93 653,595 14 11,018 50 38,597 34 46,812 13 37,452 82 41,918 69,242 95 20,687 36

Calendar

CLASS "B." WA

		1			
			Gross Opera	ting Revenues	
Location	NAME OF UTILITY	Commercial	Municipal		
		and	Fire	Miscellaneo's	Total
		Industrial	Hydrants		
			-		
	(A) MUNICIPALLY OWNED				
Alexandria	Alexandria Water Works				
Attica	City Light and Water Plant	\$8,749 81	\$2,760 00		\$11,509 8
Auburn	Auburn Water and Electric Works. Bedford Water Works.	15,746 71 27,475 04	2,400 00	\$61 19	18,207 9 31,761 1
Bedford	City Water Works	27,475 04	3,331 95	954 19	
Bluffton	Bluffton Munic. Water Works	11,617 71	7,864 87	62 30	19,544 8 10,299 2 20,949 0 27,276 7 10,230 3
Boonville	Boonville Water Works	11,617 71 10,299 24 15,350 52			10,299 2
Brazil	Brazil City Water Works	15,350 52	5,475 80	122 72	20,949 0
Clinton	Clinton Water Works Columbia City Water Works	18,807 73 9,324 73	5,511 00 903 07	2,958 04 2 50	10 220 2
Columbus	Municipal Water Plant	37,823 66	9,100 08	2 00	46,923 7
Connersville	City Water Works	25,103 94	5,041 68		30,145 6
Decatur	Decatur Light and Power Plant				
Dunkirk	Dunkirk Water Works	5,339 42	1,600 00		6,939 4 12,547 2
GarrettGoshen	City Elec Light & Water Works	11,202 10	1,322 10	22 40	12,047 2
Gas City	City Elec. Light & Water Works. Municipal Water Plant.				
Greenfield	Greenfield Water Works				
Hartford City	Hartford City Water Works Water Works Department	19,060 62	175 00	91 00	19,326 6
Kendallville	Lebanon Water Works	23,464 30	7,800 00	1,559 95	32,824 2
Madison	Madison Water Works	12,021 98	7,000 00	1,000 00	12,021 9
Martinsville	Martinsville Water Supply	10,111 83	4,275 00	54 00	14,440 8
Mitchell	Mitchell Water Works		2 100 00	765 56	49 470 0
New Castle	New Castle Water & Light Plant Municipal Water Works	39,612 51	3,100 00	760 00	43,478 0
Portland	Municipal Water Works	11,822 18	5,551 05		17.373 2
Rochester	Municipal Water Works Rochester City Water Works	8,026 30	2,500 00	1,804 22	17,373 2 12,330 5
Rushville	Municipal Water Works	7 004 70		0.00	0.704.0
Fell City Pipton	Tell City Water Works Tipton Water Works	7,284 58 9,414 87	2,500 00 3,220 00	950	9,794 0 12,634 8
Union City	Union City Water Works	14,341 73	584 80		14,926 5
Whiting	City of Whiting Water Dep't	24,658 80		829 23	25,488 0
	(B) PRIVATELY OWNED				
Aurora	Interstate Public Service Co	13,709 90 20,022 80	3,683 36		17,393 2 24,432 9 44,720 2 46,095 7 16,332 3 37,351 9
Bicknell	Bicknell Water Works	20,022 80	4,200 00	210 11	24,432 9
rawfordsville	Northern Ind. Gas and Elec. Co Frankfort Water Works	36,880 28 35,243 72	7,840 00 9,997 85	854 13	46,720 2
ranklin	Franklin Water Light & Power Co.	10.899 08	5,433 30	004 10	16.332 3
reencastle	Greencastle Water Works	29,202 29	6,928 72	1,220 92	37,351 9
reensburg	Greensburg Water Co	26,751 37	9,020 00	75 35	
asonville awrenceburg	Wabash Valley Electric Co Lawrenceburg Water Co	1,130 00 1,958 51	2,499 96		3,629 9 1,958 8
inton	Linton Water Co	21 135 90	5,600 00	534 80	27,270
It. Vernon	Mt. Vernon Water Works	24,163 55	4.444 02	1,137 84	29,745
loblesville	Noblesville Water & Light Co	12,110 13	4,634 25	629 50	17,373 8
rinceton	Princeton Water and Light Co	24,163 55 12,110 13 35,328 82 31,988 11	7,859 77	406 71	43,188 5 41,559 8
eymourhelbyville	Seymour Water Co Interstate Public Service Co	31,988 11 24,826 25	9,075 00 4,590 00	496 71	29,416
ullivan	Sullivan County Water Co	24,826 25 11,742 70	8.844 44	2,386 71	22,973 8
alparaiso	Valparaiso Home Water Co	29,866 86	8,125 00		29,416 2 22,973 8 37,991 8 47,033 0
Vabash	Wabash Water and Light Co	35,434 30	11,598 75		47,033 (
Warsaw	Winona Electric Water & Light Co	25,579 38 37,834 91	5,556 25 6,990 00	517 79	31,135 6 45,342 7
Vashington V. Lafayette	Washington Water, Light & Pr.Co. W. Lafayette Water Works	37,834 91 23,022 12	2,317 00	35 98	25,375 1
Vinchester	Citizens Heat, Light & Power Co.	10,327 15	3,400 00	570 24	14,297 3
		,			

[†]Deficit. *Credit.

OF PUBLIC UTILITES—Continued

Year 1920

TER UTILITES

		Oŗ	erating Expen	ses			NT-4
Pumping	Distribution	Commercial	and	Depreciation and Contingencies	Taxes	Total	Net Operating Revenue
\$6,556 82 14,250 90 23,957 60	\$2,099 09 2,915 43	\$150 00 46 70 952 33	\$774 50 391 70 1,464 25	\$872 72		\$9,490 41 15,562 02 29,289 61	\$2,019 40 2,645 88 2,471 57
13,469 02 3,600 00 16,095 28 12,184 79 7,134 51 29,629 34 38,028 26	2,419 62 4,647 21 1,657 04 1,766 20 312 95 1,935 15 2,361 77	408 88 101 50 34 61 88 53 185 42	1,570 39 600 00 1,170 36 2,736 58 560 78 1,101 52 1,963 23	2,715 00 1,567 21 2,100 00 2,056 58		20,174 87 8,847 21 20,898 77 18,889 07 8,042 85 32,754 54 44,595 26	2,471 57 †629 99 1,452 03 50 27 8,387 70 2,187 45 14,169 20 †14,449 64 280 27 807 14
4,458 41 9,494 04	1,355 50 857 29	96 75 307 59	348 07 1,081 20	400 42		6,659 15 11,740 12	280 27 807 14
14,027 84	472 23	243 50	434 21			15,177 78	4,148 84
17,868 23 9,062 35 7,421 65	2,742 84 2,617 74 293 24	185 60	3,377 03 650 76 15 93			24,173 70 12,330 85 7,730 82	4,148 84 8,650 55 †308 87 6,710 01
25,548 62	1,420 95	271 16	4,551 25	3,029 73		34,821 71	8,656 36
3,600 00 3,837 07	4,114 00		11.04	736 10		7,500 97	11,589 06 4,829 55
7,184 39 8,230 60 8,036 87 6,847 32	185 37 2,196 62 1,049 57 996 51	66 00	23 00 1,005 36 1,538 49 2,651 87				1,855 32 153 01 3,328 45 14,992 33
. 10,017 12 8,716 69 16,442 34 18,259 45 8,571 34 15,286 97 13,413 46 1,685 37 600 00 11,142 52 14,841 35 8,716 82 13,384 61 9,439 09 10,874 79 6,959 24 15,616 92 15,834 14 17,861 86 26,198 26 11,703 56 3,469 20	1,685 62 912 17 3,157 16 5,023 98 2,690 51 2,394 03 221 54 	310 54 665 39 3,313 77 546 88 670 05 2,546 26 152 36 72 47	1,493 41 2,385 65 2,172 93 7,524 27 1,713 27 1,713 74 3,473 91 3,83 60 24 52 3,524 88 4,528 06 2,500 23	1,726 80 1,710 96 1,869 25 1,638 16 1,069 10 1,888 71 1,600 00 *1,580 34 3,278 55 3,618 30 949 54 2,456 29 85 07	990 00 3,722 92 5,258 38 722 00 1,517 20 5,159 75 2,248 83 4,653 07 2,785 50 3,264 00 2,405 39 759 84	14,788 46 13,604 80 30,165 55 41,451 49 12,466 55 31,112 20 26,403 10 4,952 23 889 52 27,240 92 14,610 97 30,120 18 26,216 29 17,905 50 22,061 79 28,217 48 26,956 67 28,954 67 22,752 08 10,114 82	2,604 80 10,828 11 14,554 73 4,644 21 3,865 83 6,239 73 9,443 62 1,322 27 1,068 99 8,687 91 2,504 49 2,762 91 13,068 41 15,343 53 11,510 75 912 6 9,774 38 20,076 38 2,180 73 3,268 14 2,623 02 4,182 57

TABLE IX. REVENUES AND

For the

CLASS"A." ELECTRIC UTIL

Location	Name of Utility	K. W. H. Generated and Purchased	K. W. H. Sold	Gross Operating Revenue per K. W. H. Sold	Salaries
Anderson Ft. Wayne Huntington Logansport Marion Mishawaka Peru Richmond	(A) MUNICIPALLY OWNED Municipal Light and Power Plant. Municipal Electric Light & Power Plant.	14,082,900 12,506,510 7,808,913 438,616 2,218,299 3,607,850 13,936,860	10,403,219 10,847,924 5,970,318 1,892,794 2,887,546 11,168,064	.04197	.00089 .00237 .0015 .0056 .0026 .00256
Aurora. Whiting Hammond Lafayette Michigan City. East Chicago Elkhart Mishawaka South Bend Elwood Muncie Evansville Ft. Wayne Gary Huntington Indianapolis Indianapolis Jeffersonville. New Albany. Kokomo Laporte Lagansport. Terre Haute	(B) PRIVATELY OWNED Interstate Public Service Co. Northern Indiana Gas & Electric Co. Indiana and Michigan Electric Co. Indiana and Michigan Electric Co. Indiana & Mich. Electric Co. (Combined. Indiana General Service Co. Indiana Fully Table Utilities Co. Huntington Light and Water Co. Huntington Light and Heat Co. Merchants Heat and Light Co. Laporte Gas and Electric Co. Logansport Utilities Co. Terre Haute Indianapolis and Eastern Traction Co.	839,200 See Combined 68,591,109 8,718,868 9,819,940 See Combined See Combined 103,693,910 See Combined 25,662,104 32,074,621 11,906,497 10,736,956 7,047,490 114,981,576 74,771,000 13,825,406 16,531,698 5,594,330	543,712 report—Ham 60,023,608 7,726,973 report—Ha Report—Sou 84,094,274 Report—Mu 53,772,671 23,224,529 26,907,098 10,289,966 8,587,997 5,658,532 61,572,581 11,491,373 13,531,277 4,651,506 1,165,220 24,231,712	. 03749 mmond th Bend th Bend .02531 ncie ncie .03085 .03995 .03207 .01627 .06455 .03309 .03500 .04063 .02965 .04090 .05096 .03216	.0018 .00743 .00028 .00028 .00058 .00024 .0013 .00148 .00246 .00448
Vincemes Williams Bedford Columbus Bloomington Shelbyville New Castle.	Indiana Power Co. Southern Indiana Power Co. Central Indiana Lighting Co. Central Indiana Lighting Co. Interstate Public Service Co. Interstate Public Service Co. Maximum. Minimum	4,589,670 16,936,390 2,969,810 2,666,966 2,601,540 3,207,001 114,081,576 438,616	3,625,711 13,009,717 2,365,802 2,352,464 1,927,310 2,155,109 86,861,362 543,712	.01694 .01940 .04469 .05223 .05299 .05595	.0003 .0017 .0024 .0025 .0028

[†]Deficit. *Credit.

EXPENSES PER UNIT

Year 1920

ITIES PER K. W. H. SOLD

			OPERATI	NG EXPEN	SES PER K	. W. H. S	OLD				
C	lassification	on I		-	Classific	ation II		Depres and T	ciation Caxes		enue per
Wages	Materials	Fuel	Miscellaneous	Power	Transmission Storage and Distribution	Consumption and Commercial	General and Undistributed	Depreciation	Taxes	Total	Net Operating Revenue per K. W. H. Sold
.0074 .00910 .0126 .0025 .0072 .00858 .0078	.00272 .00270 .0055 .0036 .0015 .00785	.01806 .01789 	.00116 .00337 	.02529 .02445 	.00116 .00204 	.00116 .00543 	.00273 .00359 	.00055		.03273 .03606 	.00467 .00591 .00260 .01767 .00007 .00080
.0042		.0193	.0043	.01924 .01233 .04998 .02456	.00526 .00151 .00340 .00265	.00175 .00153 .00308 .00176	.00433 .00064 .00190 .00147	*.00085	.00280 .00088 .00230 .00253	.03253	.01893 .00798 †.00423 .00452
.00543 .00201 .00711 .00071		.01019		.00959 .01328 .01019 .01601 .00995 .01007	.00181 .00207 .00190 .00170 .00093 .00432	.00133 .00197 .00162 .00185	.00241 .00149 .00110 .00246 .00085 .00627	.00088	.00270	.02239 .02133 .02611 .01335	.00645 .00846 .00962 .00596 .00292 .02825
.00810 .00548 .00233	.00040 .00333 .00265	.01870 .0793 .00908	.00220 .00226 .00368 	.02538 .01537 .02159 .01756 .01887 .03098 .04687	.00104 .00203 .00137 .00266 .00138 .00132 .00009	.00089 .00212 .00302 .00190 .00132 .00166 .00010	.00446 .00180 .00296 .00235 .00288 .00604 .00202	.00353	.00163 .00242 .00303 	.03693 .02847 .03197 .02462 .02445 .04445 .05080	.00116 .00503 .00866 .00503 .01645 .00651 .01864
.0031 .0066 .0056 .0076 .0108	.00785	.0212	.02665		.00526		.00627	.00580	.00204 .00460 .00578 .00203	.01280 .01860 .03767 .03758 .03779 .03932	
.00201	.0001	.00617	.00032	.00639	.00009	.00010	.00064	.00015	.00028	.01280	.00007

IX. REVENUES AND EX

Year

CLASS "B." ELECTRIC UTIL Der. Revenue W. H. Generated and Purchased s Operating R W. H. Sold Location NAME OF UTILITY Sold Ħ. (A) MUNICIPALLY OWNED .04089 Municipal Light and Water Plant...... Municipal Water and Electric Light Attica..... 1,546,540 1,280,280 1,786,922 2,522,630 1,216,260 4,951,196 1,341,988 2,232,583 688,235 3,969,347 Works. .04632 .0020 Works.
Municipal Water, Light & Power Plant.
Municipal Electric Light Department.
Municipal Electric Light & Power Co.
Municipal Electric Light & Power Plant.
Municipal City Light and Power Co. .03422 0016 .06059 Crawfordsville... 0006 .03382 Adams....Frankfort 5,173,508 611,180 4,509,796 484,514 .00161 Municipal City Light and Power Co.
Municipal Water & Electric Light Dept.
Municipal Water and Electric Co.
Municipal Elect. Plant & Water Works.
Municipal Electric Light & Power Plant.
Municipal Electric Light Department.
Lawrenceburg Elect. Light Department. Garrett.....Gas City..... .07459 .019333 794,400 672,800 578,613 475,955 05751 .0146 .06629 .00303 Lawrenceburg... Linton..... Martinsville.... .06835 Municipal Elect. Light & Power Plant . . . 806,250 638, 160 .0133 Municipal Light Plant Municipal Electric Light Plant Mitchell New Castle01831 .0009 Municipal Water and Light Plant Municipal Electric Light Plant Municipal Electric Light Plant 443,225 2,232,610 427,165 1,325,285 Portland..... .05830 Rushville..... Municipal Electric Eight Flant
Tipton Electric Light Plant
Municipal Electric Works .00786 .06945 674,561 1,157,900 1,233,250 337,902 1,079,115Tell City..... .05588 Tipton.... Washington (R) PRIVATELY OWNED Alexandria..... Indiana General Service Co.... Indiana General Service Co.
Indiana General Service Co.
Indiana General Service Co.
Indiana General Service Co.
Interstate Public Service Co.
Interstate Public Service Co. Dunkirk..... Gas City..... Hartford..... .0021 Bedford.... 1,823,240 1,600,940 1,611,410 1,457,918 1,288,139 1,434,988 Interstate Public Service Co.
Interstate Public Service Co.
Interstate Public Service Co.
Boonville Elect. Light and Power Co.
T. H. I. & E. Traction Co.
T. H. I. & E. Traction Co.
Wabash Valley Elect. Co. (General).
Wabash Valley Elect. Co. (Gurburban).
Wabash Valley Elec. Co. (Surburban).
Hydro-Elec. Light & Power Co.
Interstate Public Service Co.
Interstate Public Service Co.
Hawks Electric Co. (System). Lebanon..... .06343 Seymour.... .04188 .0045 Boonville..... 503,350 447,170 .06738 .0064 Brazil.... W. Terre Haute.. Clinton..... Clinton.... 5,593,328 .05053 .0022 7,391,829 Clinton..... Sullivan..... Connersville.... 5,964,267 1,483,600 6,001,368 914,892 845,000 4,589,104 877,519 4,769,358 689,217 .04818 .0026 0021 Franklin..... 04974 03679Hawks Electric Co. (System)..... .002692 Goshen...... Hawas Electric Co.
Greensburg Gas and Electric Co.
Wabash Valley Electric Co.
Wabash Valley Electric Co.
Madison Light and Railways Co.
Madison Light Co. A. Plackric Co. Greencastle.... 08005 .0053 689,217 589,165 1,317,052 602,730 1,084,412 856,574 609,326 1,890,435 1,855,154 06480 Greensburg.....
Jasonville..... 602,730 1,594,130 1,339,040 766,180 2,850,322 2,239,051 Seymour..... 02451 .000995 Madison. 06110 .00279Madisson Light and Kallways Co.
Matrinsville Gas and Electric Co.
Mt. Vernon Elec. Light and Power Co.
Noblesville Heat, Light & Power Co.
Primedon Electric Light & Power Co.
Princeton Electric Light & Power Co. .001046 05830 Mt. Vernon.... 0107 .06533 Noblesville..... 07586 Plymouth.... .05981 .003121 Princeton $\substack{1,278,064\\1,278,626\\1,335,590\\2,125,715\\1,227,852\\591,446\\1,051,500}$ Rochester..... United Public Service Co..... 1,561,056 1,327,584 1,558,622 3,351,439 0053 07338 Union City..... Union City Electric Co..... Valparaiso Lighting Co.... 04972 0056 Valparaiso..... Valparaiso Lighting Co.
Wabash Water and Light Co.
Wabash Electric Light & Water Co.
Citizens Heat, Light and Power Co.
Liberty Light and Power Co. 06877 0011 Wabash.... 0048 06474 1,727,852 739,307 1,402,000 Warsaw.... 07277 .0041 Winchester..... 06621 05659 Liberty 7,391,829 443,2255,593,328 337,90208005 .019333 Maximum..... 01831 .0006 Mininum .

^{*}Credit, †Deficit.

PENSES PER UNIT—Continued 1920

ITIES PER K. W. H. SOLD

				TING EXP	enses per	K. W. H	. Sold				per
(Classificati	ion I			Classific	cation II		Depre	ciation Taxes		venue 1
Wages	Materials	Fuel	Miscellaneous	Power	Transmission Storage and Distribution	Consumption and Com- mercial	General and Undistributed	Depreciation	Taxes	Total	Net Operating Revenue per K. W. H. Sold
.0112	.0012	.0169	.0032	. 02669	.00185	.00119	. 00263			. 03236	. 00853
.0095	.0017	.0210	. 0003	.03060 .01817 .06558	.00196 .00144 .00440	.00047	.00114 .00366 .00380	.00481		.03915 .02719 .07531	.00703 †.01472
.0080	.0008 .00361 .008512	.0142	.00103	.01923	.00072	.00071	.00337	. 00328		.02731	.00651
.01431	.00143	.0183	.01015	.02535	.00398	.00295	.00809	.00882		.04919	.00832
.0032	.0036	.0166	.0143	.03978	. 00334	.00161	.00672			.05145	.01690
.0045	.0011	.0199	.0017	.2227	.00083	.00360	.00144	. 00208		.03022	†.01191 †.00195
02421	.01456	.03015	.00835	.06739 .04674	.00742	.00332	.00698	.01028 .00277		.09539	†.02594 .00073
.0025 .0211 .0001 .0222	.0025	.0260 .0430 .0187 .0114	.0097 .0069 .0030 .0035	.02766 .06342 .02342 .02781	.00464 .00237 .00230 .00699	.00399 .00276 .00189 .00155	.00618 .00676 .00412 .01294	*.00203 *.00163 *.00102 .00579	.00543 .00278 .00369 .00851	.04587 .07646 .03440 .06359	.01056 .01303 .00748 .00379
.0108	.0022	.0142	.0057	.02021	.00248	.00376	. 00796	.00589	.00270	.04300	.00753
.0091 .0044 .012590 .0072	.0024 .000802 .0025	.0216 .0213 .012592 .0351	.0042 .0040 .002322 .0043	.03129 .02128 .02052 .03513 .02670	.00095 .00402 .00167 .00657 .00212	.00167 .00293 .00319	.00588 .00515 .00676 .01290 .00607	.00375 *.00136 .00367 .00849 .00871	.00165 .00297 .00168 .00261 .00276	.04519 .03499 .03758 .06570 .04903	.00299 .01475 †.00079 .01435 .01577
.01471 .013436 .0173 .011976	.00236 .002853 .0043 .0070	.0149 .016561 .02982 .026807 .0264 .0302 .018108	.0119 .00400 .002515 .0060 .0037 .008053	.01656 .04040 .03771 .04679 .05233 .02923	.00130 .00380 .00205 .00305 .00150	.00260 .00123 .00547 .00379 .00188	.00100 .00949 .00662 .00537 .00976 .00917	.00158 .00413 .00398 .00540 .00728	.00035 .00144 .00266 .00526 .00380 .00359	.01949 .05523 .05615 .06892 .07813 .05265	.00502 .00587 .00215 †.00359 †.00227 .00716
.0072 .0020 .0067 .0163	.0066 .0034	.0296 .0158 .0279 .0360	.0100 .0017 .0025 .0036	.04059 .01577 .02642 .04815	.00297 .00426 .00273 .00269			.00438 .00738 .00010 .00416 .02067	.00335 .00169 .00259 .00578 .00204 .00413		.00670 .01165 .02924 †.00355 .00154 †.00016
.02421	.01456	.04580	.0143	.02799 .02256 .06970 .01577	.005 ₀ 3 .01131 .01131 .00072	.00074	.01176 .01294 .00100	.00409 .02067 .00158	.00192	.05238	.00421

IX. REVENUES AND EXPENSES

Yea

CLASS "A." GAS

Location	Name of Utility	Total Cubic Feet Generated (by thousands)	Total Cubic Feet Sold (by thousands)	Gross Operating Revenue per 1,000 Cubic Feet Sold	Salarie
Anderson East Chicago Elkhart Elwood Elvansville Fort Wayne Gary Hammond Huntington Indianapolis Jeffersonville Kokomo Lafayette Laporte Logansport Marion Michigan City Mishawaka Muncie New Albany Peru Peru Richmond South Bend Terre Haute Vincennes Suburban	Central Indiana Gas Co Central Indiana Gas Co Elkhart Gas and Fuel Co. Central Indiana Gas Co. Publie Utilities Co. No. Ind. Gas and Electric Co. Gary Heat, Light and Water Co. No. Ind. Gas and Electric Co. Huntington Light and Fuel Co. Citizens Gas Co. United Gas and Electric Co. Kokomo Gas and Fuel Co. No. Ind. Gas and Electric Co. Central Indiana Gas Co. Richmond Light. Heat and Power Co. No. Ind. Gas and Electric Co. Central States Gas Co. Central Indiana Gas Co.	91,243 281,029 84,372 365,974 733,632 614,542 143,849	284,732 159,443 71,785 335,817 753,587 369,286 538,807 80,793 3,051,636 40,561 274,043 194,558 75,192 116,713 271,641 117,374 1,082,477 81,944 671,214 577,021 **113,710 457,803	. 98128 1. 80034 1. 19624 1. 19624 1. 60552 1. 06271 93726 1. 05139 1. 70930 2. 69264 2. 19709 77803 1. 59238 1. 59238 1. 81710 1. 47055 87237 1. 69576	.02711 .0680 .02649 .0197 .1002 .0668 .0973 .0455 .0793 .01963 .00950 .0272 .0188 .00014
	Maximum Minimum	3,389,543 46,770	3,051,636 40,561	2.69264 .48448	.1002 .00014

^{*}Includes amount used by company. †Deficit.

PER 1,000 CUBIC FEET SOLD

1920

UTILITIES

C	lassification	on I			Classifi	cation II		Depre- and T	ciation Taxes		Sold
Wages	Material	Fuel or Gas Purchased	Miscellaneous	Production	Distribution	Commercial	General and Undistributed, including Municipal Lighting	Depreciation	Taxes	Total	Net Operating Revenue 1,000 Cubic Feet Sold
. 14643	.04436	. 38168	. 06125	.48046	. 08326	.05504	.05011		. 04808	.71695	. 26433
3638 16874 3058 0860 5034 3351 0503 4994	.0936 .16734 .0965 .0108 .0165 .0844 .0177 .0191		.4172 .1383 .1071 .1621 .0270	1.28560 .84333 1.08366 .76162 .30287 .75380 1.19027 2.11985 1.68113 .39456 .88409 .98889 .95601 .50949 1.34526	.05690 .13412 .14417 .04729 .07285 .10772 .07467 .10751 .15563 .04075 .09135 .09374 .10443 .06408 .11816	.03407 .05379 .07188 .06957 .02586 .08338 .04858 .03448 .06554 .02474 .06514 .03512 .11495 .03984		.11911 .07927 .08664 .07358 .04439 .00585	.10571 .08478 .13493 .05020 .11379 .05987 .08341 .10318 	1.61627 1.16498 1.63491 97640 70626 1.04534 1.64861 2.47448 2.10145 73597 1.16565 1.51926 1.41769 70005 1.73882	. 18407 .03126 †.02939 .08631 .23100 .00605 .06069 .21816 .09654 .04206 .42673 .29784 .05286 .17232 †.04306
.03891	.02808	. 33247	.01642	.35802 1.59838	.03333	.01930	.01757	.03661	. 03157	. 45979 1. 98070	.08582
.0375	.0051	.3583	.0650	.91326 .39930 .66407 .25500 1.27928 .28341	.04398 .02607 .09516 .03793 .08785 .00268	.12533 .02840 .08799 .03674 .05633 .00029	.05294 .05342 .03105 .11480 .22098 .00027	.02527	.07613 .06611 .04353 .07850 .08244 .00030	1.21164 .59857 .92180 .57236 1.79449 .28695	.22346 .04871 .20539 .13582 .09471 .19753
. 5034	. 16734 . 00014	1.4867 .1586	.4172 .00033	2.11985 .25500	. 15563 . 00268	. 12533 . 00029	. 25615 . 00027	.11911 .00585	. 13493 . 00030	2.47448 .28695	. 42673

IX. REVENUES AND EXPENSES PER

Year

CLASS "B." GAS

	, .				
Location	Name of Utility	Total Cubic Feet Generated (by thousands)	Total Cubic Feet Sold (by thousands)	Gross Operating Revenue per 1,000 Cubic Feet Sold	Salaries
Alexandria Autora Boorington Bloorington Bloorington Bluffton Brazil Columbus Comersville Fairmount Frankfort Franklin Garett Gas City Goshen Greencastle Greenfield Hartford City Kendallville Lawrenceburg Lebanon Linton Liberty Loogootee Madison Martinsville	Central Indiana Gas Co. Interstate Public Service Co Indiana Fuel and Light Co. Interstate Public Service Co. Central Indiana Lighting Co. Northern Indiana Gas and Electric Co. Brazil Gas Co. Columbus Gas Light Co. Peoples Service Co. Central Indiana Gas Co. (Natural Gas). Northern Indiana Gas and Electric Co. Interstate Public Service Co. Indiana Fuel and Light Co. Central Indiana Gas Co. Goshen Gas Co. Goshen Gas Co. Greencastle Gas and Electric Co. Interstate Public Service Co (Natural Gas). Central Indiana Gas Co. Greencastle Gas and Electric Co. Interstate Public Service Co (Natural Gas). Northern Indiana Gas Co. Co. Liberty Gas Co. Liberty Gas Co. Liberty Gas Light and Fuel Co. Loogootee Gas Fuel Co. Madison Light and Fuel Co. Martinsville Gas and Electric Co. Middletown Gas Co. (Natural Gas).	21,715 46,419 46,874 98,824 12,523 See Combin 54,801 12,227 28,732 See Combin 41,537	106,571 ed Report un 38,527 4,377 16,385 12,263	2. 71961 2. 3800 1. 77409 97213 1. 41627 2. 46878 1. 88800 1. 74000 43483 1. 41864 1. 99222 der "Aub 1. 89260 2. 29694 78368 48969 der "Aub 1. 38262 2. 17173 2. 10187 2. 17173	.1062 .2122 .0585
Middletown New Castle. Noblesville. Normal City. Plymouth Princeton Riverside Rochester Selina Seymour Shelbyville Tipton Union City Union City Wabash Washington Warsaw Whiting Rushville Crawfordsville	Middletown Gas Co. (Natural Gas). Inderstate Public Service Co. (Natural Gas). Indiana Gas Light Co. Central Indiana Gas Co. Northern Indiana Gas and Electric Co. Princeton Utilities Co. Central Indiana Gas Co. Rochester Gas and Fuel Co. Selina Gas Co. Interstate Public Service Co. Interstate Public Service Co. Interstate Public Service Co. Indiana Gas Light Co. (Natural Gas). Union Heat. Light and Power Co. Valparaiso Light Co. Northern Indiana Gas and Electric Co. Washington Water, Light and Power Co. Warsaw Gas Co. Northern Indiana Gas and Electric Co. Union Heat, Light & Power Co. (Natural Gas). Rushville Natural Gas Co. (Natural Gas). Rushville Natural Gas Co. (Natural Gas). Northern Indiana Gas and Electric Co.	17, 268 17, 268 17, 423 31, 290 41, 397 41, 380 21, 376 32, 885 combined wi	174,013 38,800 16,042 11,299 16,171 28,719 35,528 37,364 56,800 15,252 27,712 th 'Hammon	1.54641 1.68992 2.04879 2.23308 1.83853 1.25553 2.11124 1.49875 1.80939 2.32327 d'report	.0189 .1049 .1049 .0495 .0497 .0589 .0711 .0525 .1370 class 'A

[†]Deficit. *Credit.

1,000 CUBIC FEET SOLD-Continued

1920

UTILITIES

				OPERATI	ng Expen	ses per 1,	000 CUBIC	FEET SO	LD			
		Classificat	ion I			Classi	fication II			eciation Taxes		nue per
1	Wages	Material	Fuel or Gas Purchased	Miscellaneous	Production	Distribution	Commercial	General and Un- distributed, in- cluding Munic- ipal Lighting	Depreciated	Taxes	Total	Net Operating Revenue per 1,000 Cubic Feet Sold
	.18119 .7534 .2123 .6659 .4767	.16889	. 64071 1.0576 1.0259 .7949 .8651	. 67241 . 2053 . 0530 . 1371 . 1. 1237 . 1554	.84344 2.60360 1.49696 1.75660 1.03021 .76574 1.43351 1.21394	. 13759 . 16657 . 07377 . 11713 . 06294 . 28300 . 16829 . 06829	.03730 .05423 .05352 .04069 .11569	.17939 .31786 .13099 .06707 .16746 .38364	*.03540 .09376 .00174 *.01158	.12818	3.06740 2.16476	.21524 †.4011 †.30271
	.4130 .05261	.1005 .01734	1.0239 .28519 1.2295	.1136 .20007 .02151	1.49221 .28341 .79834 1.70710	.05691 .04259 .08498 .08799	.01002 .03639 .12288 .05227	.16959 .3313 .08114 .14900	*.01833	.02413 .03825 .11824 .08609	1.75556 .43377 1.20558 2.07012	†.01556 .00106 .21306 †.07790
• •	.6096 .6730 .1942 .02389	.0977	1.2658 1.0310 .2924 .28510	.0412 .3045 .1404 .00909	1.83036 1.82885 .47830 .28341	.07455 .12310 .07116 .02038	.03980 .08873 .04854 .01632	.20237 .27035 .09659 .01485	.4426 .8873 *.00690	.10598 .11053 .08129 .01714	2.29732 2.51029 .76898 .35210	†.40472 †.21335 .01470 .13759
				••••••	. 79518	.11671	. 10369	.14898		.06150	1.22606	. 15656
	.3874	.1042	.9844	1.3397	1.74056 1.37762 1.09794	. 23248 	.02970 .01381 .06149	.16498	.09175	.02033	2.18805 1.89132 1.73911	†.01632 .21057
٠.	.0184	.0904	.2372	.0216	.54045 .24425 .84827	.14174 .01501 .10742	.01788	.37099 .27713 .02973 .23906	*: 00996 . 25773	.09229 .09209 .2278 .01385 .12762	. 98210 . 31076 1. 63410	†.15383 .10648 .06811 †.08769
	.3313	.0656	1.1120	.1540	1.01839 1.45576	.12152	.13448	.05688	. 20338	.15716	1.48843 2.18422	. 13543
	.5740	.0218	.8900	.3700	1.50466	. 16235	2910	. 23995	.05936	10887	2.10429	. 12879
	.2014	.1208	.7716	.1072	1.41355 .95325	.08441	.03409	.12081	.02011 *.01976	.10822	1.78119 1.28474	.05734 †.02921
	.7314	.1546		. 8944	1.54437 .96579	. 12102 . 14181	.05912	.13803	.00458	.16010 .07814 .16388	2.02722 1.49185	.08402
	.5536 .4670	.1006	. 8837 1. 5560	.1642	1.41221 2.02599	.14174	.05400	.15639 .26949	. 12505	.16388	2.05327 2.59116	†.24388 †.26789
• •	.00086	.00014	.28516	.00033								
	•••••				1.25534 .76227	. 11346	. 11527 . 16409	. 16600		.11684 .10572	1.67096 1.54927	.54882 †.10441
	.7314 .00086	.16889 .00014	1.5560 .0052	1.3397	2.60360 .24425	.35119 .01501	.16409 .00621	.38364 .01485	. 25773 . 00174	.30328 .01385	3.06740 .31076	.54882 .00690

IX. REVENUES AND

HOT WATER

Location	Name of Utility	Square Feet Radiation Connected	Gross Operating Revenue per Square Feet Connected	Salaries
Bedford	Interstate Public Service Co. Central Indiana Lighting Co. Proposition Floring Light and Proposition Co.	20 761	. 21619	.0155
Crawfordsville Elwood	Central Indiana Lighting Co. Boonville Electric Light and Power Co. Crawfordsville Heating Co. Indiana General Service Co.	154,678	.36370	.015163
Fowler	Interstate Public Service Co Frankfort Heating Co.			.0198
Indianapolis.	Merchants Heat and Light Co	458,602	. 33768	.016563
Lafayette	Northern Indiana Gas and Electric Co. Laporte Gas and Electric Co.	230,002 176,302	.30781	.0085
Laporte	Interstate Public Service Co.	170,302		
Marion	Indiana General Service Co			
Monticello New Castle	Interstate Public Service Co	42 500	.30210	
Peru	Peru Heating Co	85,177	.37200	.03307
Princeton Terre Haute	Princeton Light and Power Co	211,102	.30543	.0216
	Maximum	458,602	. 37200	.03307
	Minimum	39,761		.0024

[†]Deficit.

EXPENSES—Continued

1920

HEATING

	Operating Expenses per Square Foot Connected										
. (Classificati	on I			Classific	ation II		Depre and	ciation Faxes		Revenue per Connected
Wages	Materials	Fuel	Miscellaneous	Station Expense	Distribution	Consumption and Commercial	General and Undistributed	Depreciation	Taxes	Total	Net Operating Reve Square Feet Com
.0412 .051637 .0322 .032683 .0099 .06065	.0029 .018873 .0284 .052601 .0416 .01568	.0703 .200490 .1375 .194488 .1882 .12798	.0239 .013660 .0076 .031714 .0617 .01168	.11831 .26818 .18444 .27580 .27489 .18850	.00290 .00963 .01363 .01373 .01439 .00791	.00085	.02116 .02693 .02662 .00954	.02263	.01601	.26422	.04002 †.01354 †.01064
.0016 .0506 .0510 .06065 .0016	.02327 .0417 .052601 .0029	.0106 .1935 .1418 .200490 .0106	.0172 .02042 .0091 .0617 .0076	. 27642 . 29731 . 21076 . 29731 . 11831	.00970 .00483 .00007 .01439 .00007	.01553 .00038 .00291 .01553 .00038	.02582 .02111 .02505	*.00865 .02348 .04419	.01202 .03156 .00873	.33084 .37867 .29171	†.02874 †.00667 .01372 .04002 .01372

IX. RÉVENUES AND EXPENSES, HEATING UTILI

1 car

STEAM

Location	Name of Utility	Square Feet Radiation Connected	Gross Operating Revenue per Square Feet Connected	Salaries
Anderson Batesville. Columbia City Evansville Goshen. Hope. Huntington Indianapolis Indianapolis. Kokomo. Logansport. Martinsville. Noblesville. Mooresville. Muncie. Rensselaer Rochester South Bend. Terre Haute Thorntown	Central Heating Co. Batesville Electric Light and Power Co Municipal Heating Plant. Evansville Public Service Co. Municipal Heating Plant. Pulse and Porter Electric Light Plant Huntington Light and Fuel Co. Indianapolis Light and Heat Co. Merchants Heat and Light Co. Indiana Railway and Light Co. Logansoprt Heat and Power Co. Martinsville Gas and Electric Co. Noblesville Heat, Light and Power Co. Mooresville Utilities Co. Indiana General Service Co. Municipal Heating Department. United Public Service Co. St. Joseph Heating Co. T. H. I. & E. Traction Co. Municipal Heating Plant. Winona Electric Light and Water Co. Maximum. Minimum	104,271 44,683 480,024 No Data No Data 139,071	.28005 .30424 .38197 .45817 .53196 .34641 .39300 .58544	. 003593 . 0184 . 000365 . 007587 . 0226

†Deficit.

TIES, PER SQUARE FEET OF RADIATION CONNECTED

1920

HEATING

		Оре	CRATING E	XPENSES I	PER 1,000	Cubic Fe	ET SOLD				
CI	assificatio	n I		Classification II				Depre and '		Revenue per Connected	
Wages	Wages Materials Fuel Miscellaneous		Station Expense	Distribution	Consumption and Commercial	General and Undistributed	Depreciation	Taxes	Total	Net Operating Rev Square Feet Con	
.09244	.00106	.30424	.05414	.42111	.01916	. 00005	. 05457	. 05665	. 00928	. 56082	†.00672
.050583	.004290	107892	.037606	. 14756	.02847		.01542	.04311	. 03313	. 28029	†.00024
.0462 .095719 041153	.0026 .041356 .048459	.2080 .231179 .216033	.0058 .011656 .032047	.25394 .35716 .31421	.00260 .01718 .00906	.00399 .00478 .01114		.02162			†.01544 †.05938 .09100
.09309	.05303	.34526	.08177	. 49312	. 05017	. 00929	. 06239	. 02417	. 00628	. 64542	†.11346
.0096	.0288	. 2324	.0006	. 23806	.01065					.32184	.02457
.0181	.0107	.2158	.0230	. 23492	.02752	. 00653	.00461	.01692	.01747	.30797	.08503
.019948		.393701	.039388	.39476	.03681	00557	. 02060	.02984	.03227	.51985	.06559
.095719	.05303 .00106	393701 .107892	.08177	. 49312 . 14756	. 05017 . 00260	.01260 .00005	.06239	.05665	.03313 .00628	. 64542 . 28029	.09100

IX. REVENUES AND

For the

CLASS "A." TELE

Name of Utility	Number of Stations	Gross Operating Revenue per Station
American Telephone and Telegraph Co. Illinois Bell Telephone Co. Citizens Independent Telephone Co. Citizens Telephone Co. Home Telephone Co. of Elkhart County Home Telephone Co. Lafortte Telephone Co. Lafayette Telephone Co. Laportte Telephone Co. Laportte Telephone Co. Logansport Home Telephone Co. Northwestern Indiana Telephone Co. Southern Telephone Co. of Indiana Eastern Indiana Telephone Co. Winona Telephone Co. (Combined) Williams County Telephone Co. Lunied Telephone Co. Lunied Telephone Co. Louisville Home Telephone Co. Louisville Home Telephone Co. Central Union Telephone Co. Central Union Telephone Co. Central Union Telephone Co. Merchants Mutual Telephone Co. Merchants Mutual Telephone and Telegraph Co. Lentral Union Telephone Co. Merchants Mutual Telephone and Telegraph Co. Lentral Union Telephone Co. Merchants Mutual Telephone and Telegraph Co. Lentral Union Telephone Co. Merchants Mutual Telephone and Telegraph Co. Lentral Union Telephone Co. Maximum	No Data. 15,395 11,057 No Data. 4,614 2,284 No Data. 17,122 Sold to Indi 6,828 5,284 4,863 2,097 4800 770 180 No Data 4,290 No Data 4,143 3,756 Toll only 3,288 Sold to Indi 2,310 2,810 2,931 3,966 30,886	33, 2001 24, 3853 23, 7014 28, 9097 ana Bell 26, 0836 23, 7884 22, 55135 26, 2354 24, 6721 24, 8079 21, 2442 23, 3650 22, 8864 24, 2145 23, 4177 23, 4177 23, 4177 30, 3704 ana Bell 30, 1093 25, 7652 25, 9273 19, 2062
	American Telephone and Telegraph Co Ilinois Bell Telephone Co Ilizizens Telephone Co. Itizens Telephone Co. It	merican Telephone and Telegraph Co. llinois Bell Telephone Co. 15, 395 litizens Independent Telephone Co. 11, 057 No Data. 12, 234 No Data. 13, 2234 No Data. 14, 121 No Data. 16, 121 No Data. 17, 122 No Data. 18, 284 No Data. 18, 284 No Data. 19, 284 No Data. 19, 284 No Data. 10, 284 No Data. 11, 295 No Data. 12, 294 No Data. 13, 285 No Data. 14, 280 No Data. 14, 280 No Data. 18, 285 No Data. 18, 286 No Data. 19, 294 No Data. 20, 295 No Data. 21, 295 No Data. 21, 295 No Data. 22, 296 No Data. 23, 286 No Data. 24, 296 No

†Deficit.

EXPENSES—Continued

Year 1920

PHONE UTILITES

			Or	PERATING 1	Expenses	PER STAT	ION				
,	Clas	sification	I		Classification II						
Salaries	Wages	Materials	Depreciation	Miscellaneous	Maintenance and Depreciation	Traffic	Commercial	General and Miscellaneous	Taxes and Uncol- lectible Accounts	Total	Net Operating Revenue per Station
1.7849	7.0231	1.0511	8.6169 5.2522 3.5819	3.4491	19.7553 10.8579	14.3949 10.1744 5.6164	5.3829 2. 78 38	1.6161 1.5301 1.3673	2.7344 3.0355 1.7978	43.8836 28.3817 18.6878	1.1355 4.8184 5.6975
2.0459 2.4631 Telepho 1.4477 1.1497 1.5594 1.2166 1.1375	7.7196 15.0847 ne Co.— 6.1005 10.7543 7.0808 7.0065 8.0884	.8519 1.7430 March 3 	3.5149 4.2465 2.5636 2.0000 1.8701	3.3764 2.3533 5.1446 5.6439 4.8155	7.0599 7.9122 7.1995 7.8485 7.6687 6.5063 5.7488 6.1724	6.6995 6.6672 6.9777 8.6949 8.7826 9.2785	1.6675 2.8080 1.1361 1.6132 1.7208 1.1071 1.1031 1.1108	1.8128 3:7417 2.6165 2.1300 1.6454 2.4340 1.7989 1.6957	2 0308 1.6360 1.9099 1.5604 1.9881 1.1165 8710 .8145	19.7758 26.6556 19.5615 19.8193 20.0007 19.8588 18.3044 19.0719	3.9256 2.2541 6.5221 3.9691 5.5128 6.3766 6.3677 5.7360
1.6961 5.2405	6.3641 12.8057 4.6171	2.2337 .9033 	2.7883 6.1410 4.3180	7.4441	9.8263 13.0507 8.2807	8.3759 15.0014 3.2650 6.2288	1.1831 1.0443 .6688	2.4471 6.6745 3.6893	1.2144 3.7522 2.1792	21.7413 36.2987 22.8530 18.6695	†.4971 †12.9337 7.0334 5.5450
1.8827 1.3588	9.3786 5.0737 7.3896	1.6737	3.4594 3.6421 5.5233		7.5457 9.2989 10.6233	6.6851 6.5145 7.7472	1.3097 .9631 2.6128	2.5740 1.8779 2.6393	. 9569 1.0577	19.0714 19.7121 25.2645	. 43463 3. 2630 5. 1059
Telepho .1591 1.7194 .6762 1.6640	ne Co.— 9.7644 10.9091 4.8937 6.9786	March 3 .7281 1.6545 4.5446	1, 1920— 4.5511 2.6316 3.6628 2.8555	5.5682 2.6924 1.2608	11.4923 7.9752 7.9322 7.0717 15.6233	5.5519 8.1069 5.2594 4.7670 13.5696	2.3452 .5088 2.3897 1.6834 3.9906	1.4356 3.0338 1.2725 3.8062 1.5592	4.4090 1.5247 1.7550 1.2205 2.4699	25.2340 21.1494 18.6088 18.5488 37.2126	4.8753 4.6158 7.3185 .6574 4.6823
5.2405 .1591	15.0847 4.6171	4.5446 .1968	8.6169 1.8701	9.2730 1.2608	19.7553 5.7488	15.0014 3.2650	5.3829 .3859	6.6745 1.2725	4.4090 .8145	43.8836 18.3044	7.3185 .6574

IX. REVENUES AND

For the

CLASS "B." TELE

		CLASS "B.	TELE
Location	Name of Utility	Number of Stations	Gross Operating Revenues per Station
Attica Brookville Butler W. Lebanon Delphi Churubusco Cambridge City. Columbus Decatur Fairmount Warsaw Connersville Danville Crown Point. Greensburg Huntingburg North Manchester Corydon Columbia City Flora Covington Franklin Garrett Greensetle Greenfield Angola Noblesville Portland Salem Hope Clinton Fowler Rensselaer Knightstown Lafontaine Lebanon Liberty Ligonier Madison Huntington Martinsville Mitchell Monroeville Roekville Petersburg Princeton	Attica Telephone Co. Brookville Telephone Co. Butler Telephone Co. Cadwallader Telephone Co. Carvoll Telephone Co. Churubusco Telephone Co. Churubusco Telephone Co. Citizens Telephone Co. Commerical Telephone Co. Commerical Telephone Co. Connersville Telephone Co. Connersville Telephone Co. Connersville Telephone Co. Consolidated Telephone Co. Econe Consolidated Telephone Co. Econe	632 897 676 1,390 630 1,883 2,370 2,100 2,100 8111 1,618 2,450 No Data No Data 1,900 2,555 1,458 999 950 2,803 1,228 1,700 2,128 940 1,628 1,700 1,628 1,700 1,628 1,700 1,841 900 1,841 1	31. 1531 32. 6554 18. 2126 22. 2403 17. 8679 21. 3102 23. 2981 19. 5085 24. 0368 24. 9021 23. 0636 25. 8623 26. 2557 20. 5368 17. 3976 12. 4553 20. 9123 20. 9123 20. 9123 20. 9123 21. 28. 3072 22. 4622 24. 6326 17. 6008 28. 9899 24. 6622 24. 1336 13. 0708 17. 6008 28. 9899 24. 6624 24. 1336 17. 6008 28. 9899 29. 6624 20. 20. 20. 20. 20. 20. 20. 20. 20. 20.
Leesburg. Carthage. Rochester. Rushville.	Public Service Telephone Co. Ripley Farmers Co-operative Telephone Co. Rochester Telephone Co. Rushville Co-operative Telephone Co.	830 1,058 1,309 1,900	16.5798 15.3731 26.4352 20.3798

[†]Deficit. *Credit.

EXPENSES—Continued

Year 1920

PHONE UTILITIES

			Оре	RATING E	XPENSES P	er Statio	N			}	
	Cla	ssification	I				enue per				
Salaries	Wages	Materials	Depreciation	Miscellaneous	Maintenance and Depreciation	Тгаffіс	Commercial	General and Miscellaneous	Taxes	Total	Net Operating Revenue Station
1. 8987 2. 4650 1. 1870 4. 2994 3. 10 3. 2688 1. 3694 1. 23 1. 5868 3. 2931 1. 6628 3. 2787 2110 1. 6100	12.7133 5.1616 8.3114 12.0006 7.2621 7.9621 7.9231 6.3805 9.8647 6.3256 16.0723 8.2995 4.8901 2.5857 11.6936 9.5155 12.5346 12.9712 9.32 11.3331 17.9280 Bell Tele 12.62 4.4837 9.0365 5.83 6607 4.0738 10.20 6.3039 89.9645 9.9645 9.9645 9.9645 9.9645 9.9645 9.9645 9.9645 9.9645 9.089 9.9811 9.038	1.0793 1.9220 2.0387 1.4275 1.13 7529 2.33 2.8744 4773 5.0042 3.1848 2.4079 4.1016 2777 2546 6775 3.2723 1.9587 2.0053 1.37682 1.7786 2.777 2.17762 1.61 6034 4.361 2.783	4. 1115 3. 1438 2. 7663 3. 1614 3. 2366 2. 86 3. 4518 3. 1850 2. 9032 3. 32811 5. 3908 3. 3777 2. 3492 2. 2024 3. 5350 6. 8273 4. 0040 1. 3365 3. 4518 2. 2524 4. 04040 1. 3865 3. 4530 3. 488 2. 8284 2. 9588 2. 8284 2. 9588 2. 8284 2. 9588 2. 421 3. 2341 0mpany 3. 81 3. 4468 4. 6636 2. 53 1. 1494 4. 1857 2. 20 4. 1551 3. 441 4. 0543 3. 6875 4. 1542 2. 7012 3. 1438	. 9509 6. 3243 1. 3650 1. 9182 1. 6546 2. 17 1. 1925 1. 34 4. 1760 1. 3255 1. 8234 6001 2. 1813 6974 1. 4483 8773 2. 8249 1. 0947 3. 34 1. 8553 9890 1. 1145 1. 1410 July, 19 1. 60 8966 6. 40 2. 9042 2. 5661 6917	8.2140 8.6942 6.9292 10.1893 7.5304 6.2171 6.7294 4.4915 7.4937 8.5868 6.2450 10.8344 10.5168 8.3583 8.9087 6.8219 4.1013 5.0355 4.8204 10.3906 7.6564 7.2481 9.7766 6.321 20 10.2578 7.6586 6.3648 5.5862 9.4812 7.0576 5.8988 9.4727 8.6261 7.1322 10.9806 8.0121 7.1322 10.9806 8.0121 7.1322 10.9806 8.0121 7.1322 10.9806 8.0121 7.1322 10.9806 8.0121 7.1323	8. 0471 4. 3433 4. 3276 6. 3762 5. 2648 4. 5889 6. 3909 6. 3909 6. 3909 6. 3909 6. 36762 6. 3666	2.3607	2. 8815 3. 9447 2. 4344 4. 2899 4. 3436 4. 5213 4. 0207 5. 1876 6. 0267 5. 1575 6. 0267 5. 154 1. 8608 1. 4575 5. 1536 2. 9759 6. 0267 6. 0267	1.8413 .8708 .8708 .6515 .8271 1.3725 1.3293 1.1931 2.1229 1.6579 2.0156 1.5764 .9903 1.1841 .9664	23. 3446 17. 5580 15. 1634 21. 9913 19. 3474 16. 6566 18. 8984 16. 5005 19. 6317 22. 3018 19. 1542 22. 70163 24. 9474 17. 4568 14. 1430	7. 8085 4. 7974 3. 0492 2. 2490 11. 4795 4. 6536 4. 3. 0080 4. 4051 3. 0800 3. 2546 6. 083 3. 0800 3. 2546 6. 083 3. 0800 4. 1024 7. 3939 3. 5080 4. 1024 7. 3939 5. 4797 5. 4838 4. 0011 6. 0887 4. 2997 6. 4838 6. 2029 6. 3838 6. 2029 6. 3838 6. 2029 6. 3838 6. 2029 6. 3838 6. 2029 6. 3838 6. 3
2.16 .5350 6.8983	4.8049	7905	2.75 2.8578	3.0358	6.0792 5.9932	3.1046 4.3132 5.2273	.2218 .2306 1.7210	3.2270 1.5106 2.5203	1.0106	13.6432 12.8756 17.7693	4.5963 2.9366 2.4975 8.6659 2.5270

IX. REVENUES AND

For the

CLASS "B." TELE

Location	Name of Utility	Number of Stations	Gross Operating Revenues per Station
AurorasullivanTiptonUnion CityGoodlandColumbia CityBremenEdinburgAlbany	Southern Indiana Telephone Co. Sullivan Telephone Co Tipton Telephone Co Union City Telephone Co. Western Indiana Telephone Co. Whitley County Telephone Co. Bremen Home Telephone Co. Citizens Telephone Co. The Co-operative Telephone Co. Maximum Minimum	1,501 1,060 1,323 1,977 521 2,084 4563 616 641 2,803 521	26.8263 42.4673 20.4882 19.2697 23.6202 15.4116 20.8796 23.7070 21.3531

EXPENSES—Continued

Year 1920

PHONE UTILITES

			C	PERATING	Expense	s per Sta	TION				
	Cl	assification	n I				Classific	ation II			nue per
Salaries Wages Materials Depreciation Miscellaneous					Maintenance and Depreciation	Тгаffіс	Commercial	General and Miscellaneous	Taxes	Total	Net Operating Revenue per Station
3.6063 .9485 1.55 4.6065 1.0352 2.2646 .8535 .5417 6.8983	16.9865 9.0300 3.94 5.9648 6.8134 9.7704 4.5147 3.3721 16.9865 .08	2.7134 1.0432 .1825 .6093 .6251 .7.83 .0280	5.9606 2.6225 2.92 3.6852 3.3603 3.3227 3.1572 2.4396 6.8273 1850	2.3229 1.5581 2488	7.4515 7.0485 5.4941 6.7619 9.8253 7.0170	7.4063 8.9925 5.6233 4.8156 6.6325 5.5852 5.5651 5.4269 4.4121 13.0142 3.1046	1.6755 2.9060 .1602 .4380 1.4524 .9520 .3743 1.4426 3.7666 4.2372 .0421	3.4607 4.0594 2.8923 2.0399 1.4358 1.3456 3.0801 3.1496 2.0004 6.0267 5154	1.1326 4.5547 1.2393 .9393 1.2279 .7589 .6394 1.6513 .8414 4.5547	21.5224 31.0376 15.3536 15.6843 17.7971 14.1358 16.4208 21.4957 18.0375	5.3039 11.4297 5.1346 3.5854 5.8231 1.2758 4.4588 2.2113 3.3156 11.4297

IX. REVENUES AND

CLASS "A." WATER UTILITIES

Location	Name of Utility	Total Gallons Pumped (in thousands)	Gross Operating Revenue per 1,000 Gallons Pumped	Salaries
	(a) municipally owned			
Anderson	Anderson Water Works Evansville Water Works Fort Wayne Water Works Hammond Water Works Huntington Water Works Lafayette Water Works Laporte Water Works Logansport Water Works Marion City Water Works Michigan City Water Co. City Water and Light Co Peru Water Works City Water Works	962,197 2,954,058 2,246,706 4,822,134 494,353 1,323,412 760,576 1,943,572 820,065 2,697,315 430,371 361,609 2,253,223	.06204 .07894 .10352 .03117 .12372 .08889 .07553 .03007 .06259 .01555 .10971 .12485 .10200	.02474 .00209 .01618 .0038 .0031 .00215 .00668 .00505 .01718
	(B) PRIVATELY OWNED			
East Chicago Elkhart Elwood Gary Indianapolis Jeffersonville Kokomo Muncie New Albany Richmond Terre Haute Vincennes	East Chicago and Indiana Harbor Water Co. Elkhart Water Co. Elwood Water Co. Eary Heat, Light and Water Co. Indianapolis Water Co. Jeffersonville Water, Light and Power Co. Kokomo Water Works. Muncie Water Works Co. New Albany Water Works. Richmond City Water Works. Terre Haute Water Works Co. Vincennes Water Works Co. Vincennes Water Supply Co. Maximum	4,196,140 497,184 226,592 1,671,122 11,037,225 529,312 667,222 1,159,439 799,063 1,001,100 1,925,680 564,291	.03753 .17799 .14533 .13400 .12642 .08566 .14566 .10528 .13895 .12457 .13066 .13637	.0005 .013 .2444 .0179 .0032 .00586 .0334
	Minimum	226,592	. 01555	.0005

†Deficit.

EXPENSES—Continued

PER 1,000 GALLONS PUMPED

Operating Expenses per 1,000 Gallons Pumped											
Classification				Classification II Depreciat and Tax			iation axes		enue per mped		
Wages	Materials	Fuel, etc.	Miscellaneous	Pumping	Distribution	Commercial	General and Undistributed	Depreciation	Taxes	Total	Net Operating Revenue per 1,000 Gallons Pumped
	.00628 .00424 .00176 .00260 .0093 .0034 .0081 .0081	.01349 .01974 .00674 .05157 .0326 .0237 .0375 .0375 .02622 .06154 .0089		.03540 .03717 .03009 .01298 .07256 .05817 .03733 .01349 .05116 .07220 .02002	.00502 .01008 .00968 .00134 .00510 .00380 .00118 .00584 .00128 .00907 .00676 .01090	.00256 .00205 .00452 .00027 .00067 .00184 .00028 	.00798 .00953 .01178 .00567 .00712 .00440 .00598 	.00408 .00609 .00530 .00178 .00491 .00512		.05504 .06492 .06137 .02204 .09036 .06821 .04989 .02707 .07312 .01743 .09255 .10473 .05624	.00700 .01402 .04215 .00913 .03336 .02564 .00300 .01053 †.00188 .01716 .02012 .04576
.0061 .024 .0104 .0156 .0164 .01253 	.0010 .0043 .0048 .0017 .00187 .0059 .0023 .00209 .003635 .0045	.0085 .0285 .0093 .0063 .02157 .0157 .0306 .01158 .0306 .0142 .06154 .0063	.0016 .051 .0089 .0106 .0064 .00114 .0184 .0092 .00722 .01162 .0133	.01305 .06134 .04726 .01797 .02017 .02267 .02612 .05635 .02337 .02929 .03976 .07256 .01298	.00185 .00330 .01509 .01644 .00425 .00414 .01403 .00271 .00500 .00789 .00585 .00761	.00034 .00163 .00152 .00330 .00662 .00049 .00670 .00269 .00487 .00442 .00460 .00682 .00682	.00276 .02244 .02338 .02208 .00994 .01042 .02697 .01395 .01768 .01664	.00286 .03017 .00607 .03603 .00731 .01154 .00109 .00316 .00393 .01802 .00547 .00697	.00503 .02470 .01463 .01900 .02491 .00977 .01230 .01938 .01505 .03181 .02191	.02589 .14358 .10795 .11482 .06720 .06484 .08781 .06491 .09208 .08270 .09470 .09971	.01164 .03441 .03738 .01918 .05922 .02082 .05785 .04037 .04687 .04187 .03596 .03666

IX. REVENUES AND

For the

· CLASS "B." WA

		t I		
Location	Name of Utility	Total Gallons Pumped (in thousands)	Gross Operating Revenue per 1,000 Gallons Pumped	Salaries
	(A) MUNICIPALLY OWNED			
AlexandriaAtticaAuburnBedfordBloomington	Alexandria Water Works. City Light and Water Plant. Auburn Water and Electric Works.	280,590 261,713 590,898	.04101 .06957 .05375	.00115
Bluffton Boonville Brazil Clinton Columbia City.	Bedford Water Works. City Water Works. Bluffton Municipal Water Works. Boonville Water Works Brazil City Water Works. Clinton Water Works. Columbia City Water Works. Municipal Water Bloom	100,000 70,000 189,858 306,141 130,835	.19544 .14713 .11034 .08909 .07819	.03382
Columbus	Municipal Water Plant City Water Works Dunkirk Water Works Water Works Department City Electric Light and Water Works Greenfield Water Works Hartford City Water Works Water Works Department Labona Water Works Labona Water Works	130,835 751,901 632,377 34,000 138,609	.06240 .04767 .20410 .09052	.01137 .00158
Hartford City Kendallville Lebanon Madison Martinsville	Hartford City Water Works. Water Works Department. Lebanon Water Works. Madison Water Works. Martinsville Water Supply.	154,609 376,445	.21230	
Mitchell. New Castle Portland. Rochester Tell City Tipton. Union City Whiting	Lebanon Water Works. Martinsville Water Supply Mitchell Water Works. New Castle Water and Light Plant Municipal Water Works. Rochester City Water Works. Tell City Water Works Tipton Water Works Union City Water Works City of Whiting Water Works.	426,905 140,828 200,000 85,500 347,819 164,980 1,708,250	. 10184 . 12336 . 06165 . 11455 . 03632 . 09047 . 01492	
	(B) PRIVATELY OWNED			
Aurora Bicknell Crawfordsville. Frankfort Franklin Greencastle Greensburg Jasonville.	Indiana Public Service Co. Bicknell Water Works. Northern Indiana Gas and Electric Co. Frankfort Water Works. Franklin Water Light and Power Co. Greencastle Water Works. Greensburg Water Co. Wabash Valley Electric Co. Lawrenceburg Water Co. Linton Water Co. Linton Water Co. Mt. Vernon Water Works. Noblesville Water and Light Co. Princeton Water and Light Co. Seymour Water Co. Interstate Public Service Co. Sullivan County Water Co.	146,772 160,000 303,186 345,587 149,609 222,504 133,720	.11854 .15270 .14750 .13338 .10916 .16787 .26807	.00461 .01499 .02502 .01477 .00469 .01797 .01763
Lawrenceburg. Linton. Mt. Vernon. Noblesville. Princeton. Seymour. Shelbyville.	Lawrenceburg Water Co. Linton Water Co. Mt. Vernon Water Works. Noblesville Water and Light Co. Princeton Water and Light Co. Seymour Water Co. Interstate Public Service Co.	190,000 218,330 189,268 459,926 315,000 345,962	.14352 .13624 .09179 .09390 .13193 .08502	.01630
Valparaiso Wabash Warsaw Washington W. Lafayette Winchester	Interstate Public Service Co. Sullivan County Water Co. Valparaiso Home Water Co. Wabash Water and Light Co. Winona Electric Light and Water Co. Washington Water Light and Power Co. West Lafayette Water Works. Citizens Heat Light and Power Co.	50,000 301,839 617,463 863,500 464,924 315,775 124,000	.45947 .12586 .07617 .03605 .09752 .08035 .11530	.02400 .0342 .00653
	Maximum	1,708,250 34,000	. 45947 . 01492	.0342

EXPENSES—Continued

Year 1920

TER UTILITIES

Operating Expenses per 1,000 Gallons Pumped											
Classification I				Classific	Classification II Depreciation and Taxes				enne per mped		
Wages	Materials	Fuel, etc	Miscellaneous	Pumping	Distribution	Commercial	General and Undistributed	Depreciation	Taxes	Total	Net Operating Revenue per 1,000 Gallons Pumped
.01016 .01448 .01052	.00133 .00411 .00493	.01863 .03588 .01939	.00369 .00048 .01024	.02337 .05445 .04055	.00716	.00053 .00018 .00161	.00276 .00150 .00248	.00333		.03382 .05946 .04957	.00719 .01011 .00418
.03244 .01041 .00627 .01806	.00651 .06638 .00928 .00210 .00086 .00223 .00041 .04006	.09803 .05142 .05052 .01690 .00152 .01939 .03672 .07421	.02752 .00287 .00483 .00108 .00428 .01046 .01664 .00408	.13469 .05144 .08478 .03980 .05453 .03941 .06014 .13113 .06850	.02420 .06638 .00873 .00577 .00239 .00257 .00373 .03987	.00215 .00033 .00026 .00012 .00029 .00284 .00222	.01570 .00857 .00616 .00894 .00429 .00146 .00310 .01024 .00780	.02715 .00825 .00686 .00326 .01178		20174 .12639 .11007 .06170 .06147 .04356 .07052 .19586 .08470	†.00630 .02074 .00027 .02739 .01672 .01884 †.02285 .00824 .00582
.04175	.01384	.07488	.00830		.01774	.00120	.02184			.15635	. 05595
.00802	.00199 .0018 .00069 .0063	.00992	.00059	.01972 .05985 .02556 .01918	.00078 .00333 .01543 .00934 .00217	.00063	.00004 .01066 .00008 .00530 .00027	.00710		.02054 .08157 .04107 .03750 .09285	.01782 .02027 .08229 .02415 .02170
.0124 .00077 .01835 .00136	.0063 .00140 .00515 .00056	.02242 .02624 .00011	.0039 .00094 .00199 .00301	.08403 .02366 .04871 .00400	.00632	.00077	.00027 .00289 .00933 .00156	.00364		.09285 .03589 .07030 .00614	.02170 .00043 .02017 .00878
.02408 .02460 .00567 .02639 .02407 .02996	.00124 .00440 .00746 .01126 .01429	.02676 .02620 .02852 .03815 .03470 .03951 .06162	.03441 .01219 .01891 .00392 .01276 .01481 .01550	.06827 .05448 .05423 .05283 .05729 .06871 .10031	.01149 .00570 .01041 .01454 .00652 .0120 .01790	.00212 .00416 .01093 .00158 .00448 .01144	.01017 .01491 .00717 .02177 .01145 .02309 .02598	.00216 .00531 .00920 *.00303 .00776 .01280	.00658 .00047 .01675 .02002 .00661 .01674 .03932	.08503 .09949 .11994 .08332 .13983	.01775 .06767 .04801 .01344 .02584 .02804 .07062
.00402 .01692	.00377 .00529 .90180 .00581 .91068	.03423 .03657 .03481 .01316 .01277 .0213 .0698 .0190 .01807	.00752 .02531 .00619 .00325 .00722 .0031 .0815 .0138	.05864 .06798 .04606 .02910 .02997 .03143	.00400 .00381 .00566 .00518 .00552 .00478	.00371 .00038 .00381 .00040 .00284 .00039	.01855 .02074 .01321 .01317 .03341 .00784	.00862 .00489 .00411 .00508 .00457	.00799 .02364 .01188 .01012 .00884 .00943	.12477 .07719 .06549 .08322 .05175 .44123	04572 .01147 .01460 .02841 .04871 .03327 .01824
.01559 .01774 .0172	.0045 .00214 .00902 .00137 .0020	.0190 .01807 .03508	.0138 .00192 .00816 .00640 .0084	.03143 .13918 .05174 .02564 .02068 .05635 .03706 .02798	.03211 .00696 .00647 .00275 .00389 .00139	.00090 .00110 .00038 .00185 .00342 .00212	.15587 .01937 .01045 .00653 .01057 .02088 .01125	.06557 .01199 .00110 .00529 .00027 .02016	.00252 .00209 .01254 .00903 .00941	.09348 .04366 .03353	.03238 .03251 .00252 .00703 .00830 .03373
.1155	.06638	.09803	.0815	.13918 .00400	.06638	.01144	.15587 .00004	. 06557 . 00027	.04811	.44123	.08229

REPORT OF THE DEPARTMENT OF CONSERVATION

HON. WARREN T. McCRAY, Governor.

Sir:

The Conservation Commission submits, with its approval, the accompanying report of the Director and of the Division Chiefs. It calls especial attention to the scope and practical character of the work undertaken by the department.

Attention is respectfully directed to the financial statements submitted as evidence of the high value of the work of the department to the State.

That the Commission is able to submit such a satisfactory report, is largely due to the initiative and indomitable energy of Director Richard Lieber.

Respectfully,
CONSERVATION COMMISSION.

CONSERVATION. COMMISSION

W. A. GUTHRIE, Chairman. E. M. WILSON, Secretary. STANLEY COULTER. JOHN W. HOLTZMAN.

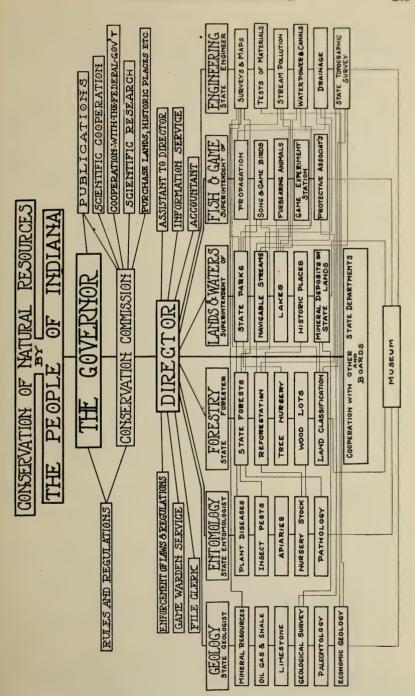
EXECUTIVE OFFICE

RICHARD LIEBER, Director.
CHARLES GOODWIN SAUERS, Assistant to Director.
E. W. GALLAGHER, Accountant.
HELEN M. ROREX, Clerk and Stenographer.
SUE G. SCOTT, File Clerk.
KATHLEEN HOGAN, Telephone Operator and Clerk.

REPORT OF THE DIRECTOR TO THE COMMISSION

The Department of Conservation was created by the 71st session of the Indiana General Assembly, and is known as Chapter 60 of the Acts of 1919. It was amended by the 72nd session of the Indiana General Assembly by the addition of a sixth division. This act is known as Chapter 238, Section 2 of the Acts of 1921 and had for its purpose the creation of a division of engineering.

The following table exhibits in graphic form the organization of the department.



The division chiefs make a brief halt upon the completion of the fiscal year to report upon their activities. It is my pleasant duty to summarize as well as to submit these interesting records herewith. They speak an eloquent language of intelligent service and devotion to the great cause of Conservation in Indiana.

If there still be left any who consider conservation a highly theoretical, nonutilitarian and expensive plaything, let them read these reports wherein is shown how the department assembles scientific parts into vehicles of practical everyday service. How it makes use of the research work of our universities and the knowledge of our men of learning. How it applies this learning for the benefit of our state and its people. How it interchanges its own experiences and finally how all of this work if expressed in taxes (in reality it is paid out of the state's earnings) would have cost each person in the state the sum of two cents, or the price of a postage stamp.

This truly modest amount has helped to disclose new sources of oil and gas, it has enabled the coal operator better to appraise coal measures, it has given us a greater honey production in the state, has protected the farmer and his crops. It has opened new state parks as recreational and social centers, provided tourists and vacationists with cheery quarters, built bridges and trails, issued helpful publications on such subjects as Trees of Indiana, Points of Interest, Mineral Deposits, Natural Resources, Lakes, and many other subjects. It has protected lake levels and commenced to purify our streams. It has returned dollars for cents received and besides material returns of no mean proportions has through the undivided support of the press and the people elevated the department into an agency of social advancement and a torch-bearer of justified state pride.

Such is the result of the work of the division chiefs with whom it is my privilege to collaborate, and to whose astute, conscientious and high-minded labors the results in evidence are due.

A summary of the year's work by divisions would appear as follows:

GEOLOGY

Technical and scientific reports and articles on cement materials, building stones, distribution of oil and gas, kaolin, oil shales, oil fields, and a study of the Clay City Quadrangle were published in trade journals, scientific and popular publications.

Archaeological investigations were carried on in connection with the geology field work. A number of archaic deposits were located.

The use of oil shales was investigated.

- 1. As to the number of gallons of oil per tone of shale.
- 2. Testing of different methods of extraction.
- 3. Possible method of utilizing the spent shale.
- 4. Discovery of possible valuable by-products.

Data on New Albany oil shade established.

Systematic field work was conducted in the northern part of the coal measure area of the state. As a result a number of problems connected with the distribution and identification of the coal beds were solved.

Experts of the field force together with a representative of the U. S. Geological Survey succeeded in establishing a correct correlation of the subdivisions of the Chester Division, collected data in the southwestern oil field, showed elevation of mouth of well above sea level, recorded locations and secured logs and data on production.

A total of 589 reports were made to citizens on rock and mineral substances.

For two years the division has been working on a much needed compendium of the geology of Indiana. This interesting work will go to press in 1922. It is divided into a number of parts, viz., Geography, Topography and Glaciology, Stratigraphy, Paleo-Geography and Paleontology, Hydrology, Economic Geology and Oil-bearing Shales. The work carries a full list of illustrations, maps and charts.

In the field and laboratory data and samples were collected on the mineral resources of the state. Such samples are, f. i., road materials, clays and shales, abrasives, building stones, foundry and glass sands and cement materials.

Four hundred and twenty-four abandoned gas wells in twentynine counties were sealed—eighteen more than in the previous year. The object being the prevention of salt water, etc., from the low strata, to mix with fresh water strata near the surface or into nearby oil or gas domes.

The collection of logs of newly drilled wells enables the geologist to determine accurately the substrata of the state.

The State Museum notwithstanding its neglected condition, has become more popular than ever. Forty-three thousand nine hundred and sixty-eight visitors registered, an increase of 32,590 over the previous year. Estimating the non-registering visitors as of 20 per cent it would show one visitor for every three minutes the Museum was opened.

Forty-one donations and collections were added, among them the Paxton collection of more than 1,500 pieces, which, owing to lack of exhibition space, remains unpacked.

Dr. W. N. Logan, State Geologist, contributes a valuable paper on the appearance of "Gold in Indiana." Prof. John R. Reeves one on "Potash in the New Providence Shale of Indiana" and on "An Intraformational Breccia of the St. Louis Limestone of Indiana."

ENTOMOLOGY

One hundred and ninety-six nurseries were given certificates of inspection.

Acreage which the nurserymen have planted was listed.

Intercepted shipments containing brown-tail moth nests. Informed Federal Horticultural Board which issued drastic orders in consequence.

Seventy-six greenhouses visited and inspected and control measures against different insects and diseases were adopted.

Defensive measures for the control of the Chinch Bug were promulgated.

The successful quarantine placed upon some farms in Porter, Laporte and Tippecanoe counties was modified and approval of action received from Federal Horticultural Board.

Protection in a most practical way and saving of a considerable sum of money to the Indiana farmer through the department's use of police power.

Successful determination of the European corn borer situation with respect to a threatened federal quarantine.

Attention given to appearance of corn ear worm.

Assistance rendered to citizens regarding household insects.

Large results obtained in Bee work.

Cleaning up on American and European Foul Brood.

Brood diseases of bees in four years have declined from 14.9 per cent in 1918 to 4.6 per cent in 1921.

Two thousand two hundred and fifty yards were visited.

Twenty thousand four hundred and twenty-six of colonies inspected. One thousand fifty diseased with foul brood.

Fifty-four counties visited.

Estimated total production of 6,000,000 pounds of honey shown for state, or an estimated increase of 1,000,000 pounds over 1920.

FORESTRY

Results obtained in the Division of Forestry cannot be measured in dollars and cents, for no logs or ties were cut and sold. Yet, the work done was of great economic importance to our people. For years the exertions of a few far-sighted men were nothing but a voice in the wilderness. Today their efforts have become the cornerstone of a projected state and national structure of forest preservation.

The division has carried the slogan "Let your idle acres work." It has called attention to the dangerous depletion of timber and, having developed a tentative plan for forest reconstruction, has obtained from the legislature a fund to make a practical start.

A huge waste of our patrimony in hardwood forests has been committed. If the estoppel of such waste means anything, if the awakening of public opinion is of value, then the division has succeeded beyond its immediate expectations. There exists today a widespread realization of our great need and it must be left to wise legislation to support the forestry policy of the department. But reforms of this magnitude cannot be expected overnight. Let us only hope that they will come about in time.

In the meantime the Clark County Forest continues to be an object lesson to the farmer and timber man. It is the largest hardwood experiment station in the country and as the years go on will increase in importance as a source of practical information on tree growth.

Careful measurements are taken and records kept. In certain tracts the trees are calipered every ten years, furnishing exact data of growing conditions.

Ten thousand white pine, one year old, were planted. At the end of the season 9,074 were alive.

Public interest in the Clark County Forest is increasing. A guide pamphlet has been published and many tourists and picnic parties have been seen to take a lively interest in forestry problems; a matter which heretofore never had engaged their attention.

One thousand five hundred and fifty-one visitors from twenty-one states and Canada, a small portion of the total, had registered during the year.

A reconnaissance of available timberland was made.

An outstanding achievement of the division was the publication of Deam's "Trees of Indiana." The work was printed in a manner befitting the importance and quality of the opus. It alone would have fully justified the existence of the division not counting the larger values touched upon above.

LANDS AND WATERS

Our state parks have become a direct asset to the state.

They are self-supporting. They are a mecca of the family of small means and high thoughts, truly the majority in our state.

The campaign against stream pollution has so far resulted in tripartite good. (1) Restoration of stream itself with all attendant good. (2) Savings of factory products and by-products. (3) Protection of public health.

The work of safeguarding lake levels has promoted the interest in our aquatic play and sport grounds and has definitely protected and enhanced the property values along the shores.

Connected with this work the division's interest in drainage matters is slowly bringing order out of the existing chaos by substituting technically and scientifically correct principles for rule of the thumb methods.

The division is fast becoming the clearing house for the tourist business as it was the first to point to the great pecuniary value of this new industry to the people of the state.

Turkey Run returned nearly 8 per cent on an investment of about \$109,000.

The paid admissions were 54,107 for the year. This is admission purely—not daily attendance.

The hotel and cottages with room for seventy guests were constantly filled, so were the lesser accommodations in tents. From four to five times as many guests wishing to make reservation were quartered in nearby farm houses or had to be turned away.

A heating plant was installed, making possible all year hotel service. Service quarters were extended and cottages and grounds lighted by electricity.

One hundred and eighty-one acres—the front yard of the park—lying south and east of the old reservation, were added.

Important engineering work was done which will be referred to in its proper place.

Sunset Foint in danger of being washed away was rebuilt and held by means of a concrete retaining wall.

The descent to the swinging bridge from the cliff was almost impossible; a flight of concrete steps was provided.

Cistern and dry well were built.

At McCormick's Creek a delightful change was made by rebuilding the old sanitarium into thirteen sleeping and one bath room.

Electric lights and power were installed.

Plumbing added to kitchen and bath room.

Fibre reed furniture made at the prison was installed.

A new deep well for drinking water was sunk.

Park drive was gravelled.

At Clifty Falls State Park preliminary work was done as reported by the Engineering Division.

Historic Lafayette Spring in Perry county has been presented to the state.

"Points of Interest," a pamphlet showing ninety-two spots of scenic and historic value, was published.

FISH, AND GAME

The division is entirely self-supporting. Receipts for the year amounted to \$132,852.35.

Approximately \$10,000 were paid into the Public School Fund through the activities of the Game Wardens.

A checking system of motor car service has reduced cost of operation to a minimum.

An increase of 8,756 licenses is shown over record year of 1920.

One thousand four hundred and eighty-seven arrests were made during the year, an average of 55.4 cases per warden or about 60 per cent more than the next highest states in the Union, Connecticut and New York.

Ninety-three per cent of all arrests resulted in convictions.

On the basis of a force as great or greater than ours, results in Game Warden Service are four and one-half times bigger than under former system of political appointment.

Ten million nine hundred and thirty-six thousand eight hundred and fifty-seven fish were reared and planted last year.

A State Fair exhibit was held which proved immensely popular.

Motion pictures were made showing fish propagation, lake country and game warden work.

Sixteen fish, game and bird protective associations were formed, bringing up the total to 124 associations. This is perhaps the largest number in any state of the Union.

Twenty-one thousand one hundred and thirty-eight pieces of mail were handled, an indication of the amount of work in hand, out of a total of 65,845 for the whole department. Ninety-six colored slides and lectures on birds of Indiana were prepared.

Liberated quail and pheasants in State Park.

One hundred and forty thousand square feet of seines and nets were seized and destroyed.

Two hundred and ninety-eight pieces of illegally taken fur were confiscated.

Thirty cases were made against owners of fish traps, besides several hundred traps picked up and destroyed.

In excess of 100,000 game fish rescued from stagnant or receding waters.

ENGINEERING

The following summary is for a period of six month for the division proper and for two months for the subdivision of Sanitary Engineering.

Drainage survey of state begun.

Pollution of St. Marys River below Decatur stopped.

As a result of waste elimination a large beet sugar company recovers from five to ten tons of sugar per day during three months' operation.

Twenty-two cases of stream pollution were investigated and were followed up.

Complete topographic maps of Turkey Run and Clifty Falls State Parks and environs were made.

Bench marks between Bloomington and Columbus were re-established.

Plans and estimates for new trestle and park road at Turkey Run were made and construction of trestle begun, Superintendent Luke directing work.

INFORMATION

The department enjoys the confidence and aid of the press. Without attempting to appraise the material value of this support its inestimable worth is duly and gratefully acknowledged by all of us.

CONCLUSION

The above summary speaks of work undertaken and completed. Not contained therein is a wealth of effort in the approach and the survey of given situations. Neither is mention made of action preventative waste or destruction.

In this place I should only mention that the interior organization of the department, thanks to the willingness and capacity of those concerned, has reached a gratifying point of reliability.

We have seen of late that the function of Federal and State Government was enlarged and that with this public demand for more detailed service came an avalanche of new bureaus, commissions and offices. Many unquestionably much needed and entirely serviceable, but on the other hand, there grew up a not inconsiderable number of sinecures and well nigh worthless appendages. Above all there has come about a top-heaviness in administration affairs where mere additions instead of subjunctions were made. The organization of the Department of Conservation is an indicator how this topheaviness may be lightened by placing all branches of a given general subject under one executive. In this manner greater results can be obtained.

The Department of Conservation as the declared foe of waste in any form and the champion of greater use of all resources is quite willing that a test—ex parte as it were—of its usefulness be made, comparing the amount of the appropriation spent with the amount of material benefit produced. Such an appraisal of course would not even touch the most important phase of the department's work, viz., the study, classification and grouping of our natural resources as some of the foremost instrumentalities for maintaining public security and national defense.

RICHARD LIEBER.

POSTAGE REPORT

1920-1921

DIVICION	RECE	IVED	MAILED		
DIVISION General Administration and Lands and Waters Entomology	1st class 4,971 4,351 3,049 881 7,341 203 20,796	All Other 324 1,057 370 265 365 25	1st class 3,524 4,517 2,857 1,503 11,539 501	2nd class 9,977 2,427 605 3,297 1,893 3 18,202	

REPORT OF THE DIVISION OF GEOLOGY

W. N. LOGAN, State Geologist.

ORGANIZATION

The working organization of the division as it is now organized consists of a technical force, office force, fields corps and gas inspection force.

TECHNICAL FORCE

- W. N. LOGAN, Ph. D., Economic Geology.
- E. R. CUMINGS, Ph. D., Stratigraphy and Paleontology.
- C. A. MALOTT, Ph. D., Topography and Glaciology.
- S. S. VISHER, Ph. D., Geography.
- W. M. TUCKER, Ph. D., Hydrology.
- J. R. REEVES, A. B., Assistant and Draftsman.
- H. W. LEGGE, Preparator.

OFFICE FORCE

THEODORE KINGSBURY, Supervisor of Natural Gas. EDWARD H. SHAW, Curator of Museum. MRS. ADDA RINKER, Clerk and Stenographer.

FIELD CORPS FOR 1921

W. N. Logan M. A. Harrell E. R. Cumings H. C. Barnett C. A. Malott E. L. Lucas J. R. Reeves J. I. Moore R. E. Esarev W. P. Rawles G. G. Bartle K. W. Ray

P. B. Moore

NATURAL GAS INSPECTION FORCE

THEODORE KINGSBURY, Supervisor.

DEPUTIES

C. N. BrownGeneva
John ErsingerSullivan
J. P. Horton Montpelier
J. E. McIntyre
Herschell RingoMuncie
Geo. H. SmithOwensville
John Watson Petersburg
Howard Legge Bloomington
0. H. HughesSharpsville
E. E. Wherry Shoals

PUBLICATIONS

Reports and articles were prepared and published during the year as follows:

"Report of the Division of Geology," Indiana Year Book, 1921. This report contains an account of the work and finances of the division and technical papers as follows: "The Building Stones of Indiana" and "Cement Materials and Industries."

A map showing the distribution of oil and gas in Indiana was prepared and published in "The Petroleum Register," New York.

An article entitled "In Case of a Petroleum Shortage" was published by the Oil News. "The Division of Geology" was published in Indiana Academy of Science. Many extracts of reports were published in the newspapers of Indiana. Reviews and notices of the Kaolin and the Petroleum reports were published in Science, Economic Geology, Journal of Geology, University Quarterly, Oil News, Petroleum, Magazine of the New York Petroleum Exchange and other periodicals. "The Oatsville Oil Field," Oil News. "Oil Shales of Indiana," Engineering and Mining Journal, Oil Shale Review, and Street. Chapters on geology were prepared for "A Survey of Indiana's Natural Resources" published by the Department of Conservation. Articles prepared, or partly prepared, for publication include: Handbook of Indiana Geology, The Geology of the Clay City Quadrangle, the Oil Fields of Pike, Gibson and Sullivan counties, the Gas Structures of Tipton and Howard counties, the Coal Field of Indiana.

ARCHAEOLOGICAL INVESTIGATIONS

Field investigations in archaeology were undertaken during the year in connection with the geologic investigations. A number of new archaic deposits were located. Besides the work done by the regular field party the following were engaged for brief periods in such investigations: W. N. Logan, J. R. Reeves, Dick Guernsey and T. C. Heistand.

One of the most valuable discoveries was that of the skeleton of a human being exhumed by Mr. Dick Guernsey, assisted by T. C. Heistand. The skeleton was taken from a prehistoric mound near the east fork of White River, in Guthrie Township, Lawrence county. mound had been laid out in the form of a square and a vault system, constructed of slabs of limestone brought from the river bluffs some distance away, occupied the lower part. The upper part consisted of loose sand in which bodies had been buried promiscuously. The skeleton was obtained from the lower level and was lying as buried with all parts intact and in position with the exception of some of the more fragile parts. The skeleton is that of a man about six feet high and somewhat past middle age at the time of his death. As far as could be ascertained from the remains, death occurred from natural causes. The fragment of an arrow point was found between the cervical vertebrae and a small bone, that of a bird, apparently, in the roof of the mouth. Another arrow point and a bone awl made from the antler of a deer were found near the body.

The teeth of the lower jaw are in good condition with the exception of the right anterior pre-molar which shows evidence of decay. There had been some absorption of the tissue of the lower jaw at the base of the teeth, due evidently to pyorrhea. The upper jaw on the right side has three good molars, the pre-molars are badly worn and one bicuspid is lacking. On the left side of the upper jaw the canine, bicuspids, the anterior pre-molar and the posterior molar are gone.

The skull measurements are as follows: The anterior-posterior circumference of the skull is $24\frac{3}{4}$ inches; the lateral cheek circumference is $21\frac{1}{4}$ inches; the distance from coronoid process to coronoid process is $4\frac{5}{16}$ inches; the distance from the exterior of right condyle to the exterior of left condyle is $5\frac{1}{2}$ inches; the submaxillary circumference is $8\frac{1}{2}$ inches; the distance from the point of the submaxillary to the base of the frontal bone (anterior) is 5 inches; the lateral circumference is $7\frac{1}{4}$ inches; the distance from the nasal spine to the posterior side of the foramen magnum is 3 inches; the distance from mastoid to mastoid across the foramen magnum is $4\frac{1}{4}$ inches; the diameter through the zygomatic processes of the temporal bones is $5\frac{1}{2}$ inches; the anterior-posterior diameter of the foramen magnum is $1\frac{7}{16}$ inches and the lateral diameter is $1\frac{7}{16}$ inches.

The skeleton was brought to Indianapolis and now rests in a case in the museum. Other explorations led to the discovery of several artifacts.

OIL SHALE INVESTIGATIONS

Investigations of the oil bearing shales of Indiana were carried on throughout the year in the field and in the laboratory. The investigations embraced:

- 1. The determination of the number of gallons of oil per ton of the various oil bearing shales.
 - 2. The testing of different methods of extraction.
 - 3. Possible methods of utilizing the spent shale.
 - 4. The discovery of possible valuable by-products.

Three methods of extraction were employed, the dry process, the wet process and the heavy oil digestion process. The apparatus and machinery necessary for testing the last named process was furnished through the kindness of Mr. Louis Clarke of Ardmore, Pa., at an expense to him of about one thousand dollars.

Experiments conducted in our laboratory in extraction by using the heavy oil digestion process were unsatisfactory in the results obtained and led to the abandonment of the process. The unsatisfactory results obtained also led to the temporary abandonment of the commercial plant, ground for which had been broken in southern Indiana. As a result of these preliminary investigations in the laboratory many thousands of dollars were saved the investors.

Our efforts for the present are being concentrated on the dry distillation process. The method used will be the same as that used by the United States Bureau of Mines. In fact the future work on the oil shales of Indiana will be done in co-operation and under the advisory supervision of the Bureau of Mines. By the use of this method comparison can easily be made between the results obtained in Indiana and those obtained from oil shales in other states.

The following is a brief summary of the results obtained by our investigations thus far:

DATA ON THE NEW ALBANY OIL SHALE

Name-The New Albany Shale.

Age-Devonian and Mississippian.

Distribution-Southeastern Indiana in Jennings, Jackson, Clark, Jefferson, Scott, and Floyd Counties. Also White and Carroll.

Thickness—From 20 to 100 feet in the area of the outcrop. Total thickness about 140 feet.

Areal outcrop-500 square miles.

Transportation-Three main railways thru the district.

Price of the land—From \$30 to \$100. (Normal.)

Yield of oil-From 15 to 20 gallons per ton.

Specific gravity of the oil-Averages, .8900.

Fractionation of the oil-

150 degr	ees	 	17.75%
200 degr	ees	 	11.75%
250 degr	ees	 · · · · · · · · · · · · · · · · · · ·	17.75%
300 degr	ees	 	16.00%
Above 30	00 degrees	 	8.50%
Coke and	l tar	 	28.25%

Temperature of distillation-Best at 850 to 900 degrees, F.

Ammonium sulphate-From 5 to 20 pounds per ton.

Total nitrogen-From .25% to 1.00%.

Gas-From 500 to 2,500 cubic feet per ton.

Remarks—Shale can be quarried for from 20c to 50c per ton. Can be crushed in an ordinary limestone crusher. Overburden where found from 10 to 15 feet of glacial drift. Unlimited quantity of shale. Formation homogeneous thruout.

A little work has been done on the oil bearing shales of the Coal Measures. These, as a rule, contain a higher per cent of oil which in some samples investigated run as high as fifty gallons per ton. Mining conditions are different and more difficult in these shales. In some places these shales may be mined with the coal.

FIELD WORK

During the past summer season systematic field work was conducted in the northern part of the Coal Measure area of the state. The territory included in the survey embraced parts of, or the whole of, Clay, Vigo, Parke, Vermillion, Fountain, Benton and Warren counties.

The field work consisted of a study of the topographic, stratigraphic, structural and economic conditions of the area.

The field party included the following members: W. N. Logan, John R. Reeves, Ralph E. Esarey, Glen G. Bartle, Marshall A. Harrell, Horace L. Barnett, Thos. C. Heistand, John I. Moore, Kenneth W. Ray, Elmer L. Lucas and William P. Rawles.

A number of problems connected with the distribution and identification of the coal beds were solved. Samples of coal, oil shales, fire clays and other materials were collected for study in the laboratory. These studies will be carried on by the laboratory force as time from other duties permits.

Dr. E. R. Cumings, assisted by Mr. P. B. Moore, made a study of the older rocks of the state and of Kentucky and Ohio with a view of correlating the rocks of the older divisions in the three states named.

Dr. C. A. Malott with Mr. Chas. Butts of the United States Geological Survey made a study of the Chester Division of the Mississippian period in Indiana and Kentucky. They succeeded in establishing a correct correlation of the subdivisions of the Chester in these two states.

After the close of the regular field season Mr. H. L. Barnett and Mr. W. P. Rawles collected data in the southwestern oil fields. They secured the elevations of the mouths of the wells above sea level, located the wells, secured logs and data on production.

The Chief of the Division, Mr. J. R. Reeves, Mr. Dick Guernsey and T. C. Heistand made some investigations of an archaic nature.

STATE FAIR

On account of the small amount of space furnished the Department of Conservation for exhibit purposes, it was impossible for the Division of Geology to make a creditable exhibit at the State Fair. Such an exhibit will be made whenever the space is available. During the week of the Fair and of the G. A. R. Encampment the number of visitors to the museum taxed its capacity.

LABORATORY DETERMINATIONS

A large number of minerals such as quartz, feldspar, mica, pyrite, also coals, clays, shales and other rocks and mineral substances were received from citizens of the state during the year with requests for information as to the value or possible usefulness of these substances. All qualitative tests were made without expense to the applicant, but for quantitative analyses, requiring the services of a chemist, the expense was borne by the applicant for the service. Both qualitative and quantitative tests were made at a minimum of expense to the citizen.

The following is a summary of the determinations made by the division force during the year:

Alunogen 3	Pyrite 60
Calcite 5	Peat 7
Chert 8	Soils 3
Clay 57	Sands 19
Coal 40	
Conglomerate 1	
Chalcedony 1	- Hyalite 2
Diamonds 4	Iron ores
Feldspar 2	Jasper 6
Garnets 3	Limestones 23
Gas 7	Zinc Ores 9
Selenite 2	Water containing oil 30
Mica 21	
Molding sands 7	Miscellaneous
Oil shales	, -
Oil sands	
Oils 31	

COMPENDIUM OF INDIANA GEOLOGY

For two years the members of the Division of Geology have been working on a compendium of the geology of Indiana. The preparation of this work required an exhaustive study of the literature of the subjects treated, in addition to investigations carried on in the field and laboratory. No work of this character has previously been undertaken in Indiana, though the desirability of such a publication has been recognized for many years.

The work is divided into a number of parts. The first part, dealing with the geography of Indiana, was written by Dr. S. S. Visher. It includes a discussion of the location of the state and the climatic and other effects which have been produced because of its location. The area of the state is compared with other states and the effects of size discussed. The quality of the land, the climate, agriculture, transportation, population, principal cities and industries are some of the topics treated.

The topographic features and the glaciology are discussed by Dr. C. A. Malott in the second part of the work. This part contains a discussion of the general topographic features of the state, the physiographic provinces, regional units based chiefly on topographic conditions, the principal features of the Wisconsin and the Illinois glacial stages, their boundaries, the driftless area of the state and other physiographic features.

The third part contains a discussion of the stratigraphic, paleogeographic and paleontologic conditions of the state and was written by Dr. E. R. Cumings. The history of the development of our knowledge of the stratigraphy of Indiana is carefully and systematically set forth. Problems of nomenclature are solved, the stratigraphy presented by the use of detailed cross sections, and paleogeographic maps. A very complete bibliography accompanies this part of the work.

Some of the principal features of the hydrology of Indiana are set forth by Dr. W. M. Tucker in part four. This part contains a drainage map of the state, a map showing drainage basins, rainfall recording stations and gaging stations, data covering the flow and discharge of streams, maps of lake basins and other hydrographic information.

The fifth part, written by the Division Head, contains a discussion of the economic geology of the state. Building stones, cement materials, coal, clays, kaolin, iron ores, lime, marl, natural abrasives, mineral waters, oil and gas, peat, pyrite, road materials, sands, fertilizers, gypsum, gold, hydraulic limestone, lithographic limestone, manganese, diatomaceous earth, mineral paints, precious stones, salt and sulphur are the topics discussed.

The sixth part contains a discussion of the oil bearing shales of Indiana and was prepared by Mr. J. R. Reeves. The report discusses the distribution of the New Albany shale, its thickness, mineability, oil content, structure, accessibility, methods of extraction best suited to it, and the quantity of oil recoverable.

OTHER LINES OF INVESTIGATION

During the year data was collected in the field and laboratory on a large number of the mineral resources of the state. Samples of clay and shales were collected. The physical and chemical properties of these will be determined in the laboratory. Samples of building stones, abrasives, molding, foundry and glass sands, cement materials and road materials were collected. The investigation of all these materials will be made the subjects of future reports.

NATURAL GAS SUPERVISION

The supervision of natural gas conservation and the plugging of abandoned oil and gas wells is in charge of Theodore Kingsbury and his deputies: C. N. Brown, Geneva; J. P. Horton, Montpelier; John Ersinger, Sullivan; O. H. Hughes, Sharpsville; Howard Legge, Bloomington; Geo. Smith, Owensville; Herschell Ringo, Muncie; John Watson, Petersburg, and E. E. Wherry, Shoals.

Indiana law requires that wells drilled into gas or oil bearing rock that are to be abandoned shall be plugged in a specific manner described in the law, the object being to prevent any leakage of salt water, etc., from the lower strata to mix with fresh water strata nearer the surface or into nearby oil or gas domes. The plugging of such, the law stipulates, shall be done under the supervision of the Supervisor of Natural Gas or a deputy, for which there is a fee of \$10 for each well plugged.

During the year the Supervisor of Natural Gas and deputies inspected the plugging of 424 wells. The previous year 406 wells were plugged. The wells plugged during the year were distributed in twenty-eight counties as follows:

Jay 74	Hancock 7
Pike 41	Shelby 7
Wells 38	Marion 6
Sullivan 31	Daviess 5
Gibson 29	Clay 4
Delaware 28	Hamilton 4
Tipton	Madison 3
Randolph	Greene 2
Adams 18	Wabash 2
Grant	Dubois 1
Huntington 15	Lake 1
Blackford	Martin 1
Miami 10	Vigo 1
Henry 9	
Howard 8	Total424
Rush 8	

For the inspection of these wells \$4,240 was collected, of which \$3,392 was paid to deputies (\$8 for each well plugged) and \$848 turned into the general fund of the Department of Conservation as a partial offset to the office expense incurred as a result of conducting the work.

A general complaint has been expressed by oil men against the law passed by the last legislature requiring one well to be drilled on each lease every year, in order that the lease might be held. If this is not done the lease, with the exception of small tracts surrounding any producing wells, reverts to the owner.

OFFICE WORK

The Assistant Geologist and the stenographer handle the routine office work of the division. This work consists in answering letters requesting information on a multitude of phases of our natural resources, of mailing reports in response to requests or in cases where information asked for is contained in available reports, and in conferences with individuals who come to the office for information. Considerable time is taken in working on reports, collecting information, proof reading publications issued by the division, cataloging well records and publications received, attending to bookkeeping and other clerical work of the division. The Assistant Geologist also supervises the plugging of wells which cannot be reached by the deputy inspectors.

Following is a summarized report of the office work for the year ending September 20, 1921:

	Office	Laboratory	Total
Letters received	2699	350	3049
Letters mailed	2457	400	2857
Reports distributed—			
Geological	262	000	262
Petroleum and natural gas in Indiana	385	15	400
Kaolin	126	10	136
Personal conferences	1201	360	1561

MUSEUM

The museum received more visitors during the year than any preceding year. Registered attendance for the fiscal year was 43,968, as compared to 11,378 the year before, an increase of 32,590. A con-

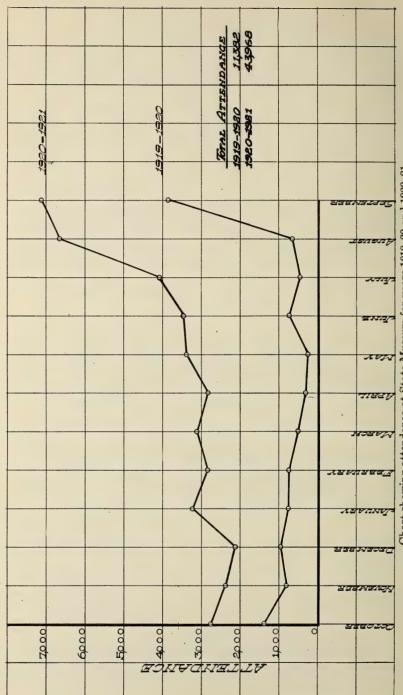


Chart showing attendance at State Museum for years 1919-20 and 1920-21

servative estimate of the visitors not registering, or refusing to do so, would be 20 per cent. Taking this into consideration, the estimated attendance during the year was 52,761, an average greater than three visitors for every minute the museum was opened.

The attendance, with few exceptions, showed a steady increase each month. In October, 1920, the first month of the fiscal year, there were 2,769 visitors, and in September, 1921, the last month of the fiscal year, there were 7,105.

The marked increase in attendance emphasizes the need of and justification for larger quarters for the museum. Visitors frequently complain of the crowded condition which makes it impossible to display the specimens advantageously or permit proper lighting, particularly in the lower parts of show cases. There is no doubt that many private collections of merit and value would revert to the state if better provisions were made for their care.

Following is the list of donations received during the year:

Peculiar Growth—This knot grew twenty-two inches underground on the root of a red oak tree on the farm of B. C. Whitlow, three miles southeast of Lebanon, Boone County, Indiana. While blowing stumps with dynamite this knot was blown out of the ground.

Residue taken from the Basin of Outside Drinking Fountain, Indiana Soldiers' and Sailors' Monument, Indianapolis, Ind.—Analysis (qualitative) showed the sample to be mainly chlorides and carbonates, probably those of calcium and magnesium. From Board of Health office.

Petrified Wood-Polished. From the Governor's office.

Bullets—"Yank and Johnny," from the Battle of Atlanta. Gathered after the battle by W. H. Cobb, 10th Indiana Volunteers.

Plow Paper Weight—Presented to state of Indiana by Wm. Jennings Bryan. Sent from the Governor's office.

Skeleton-From mound in Guthrie Township, Lawrence County.

Sea Shells—An assortment of ocean shells—sixty-five in number. Donated by Harold Brown, Herron Art Institute, Indianapolis.

Regalia—I. O. O. F. Presented to Jos. Kendall, Shelbyville, Ind., in 1852. Donated by his daughter, Mrs. Lyda Eves, Indianapolis.

Watch—Taken from body of a German soldier at Chateau Thierry, France, July 4, 1918. Found and donated by Chas. P. Darrough, Battery A, 102nd Field Artillery, 26 Division Street, Indianapolis.

Knife—Found on battlefield of Chattanooga by S. G. Conlee, Indianapolis. Donated by him.

Moth (Luna)—Donated by A. L. Barthel, Indianapolis.

Octopus—Caught by Burge Schooney, Bay Harbor, Florida. Donated by Albert W. Sullivan, Indianapolis.

Pioneer Farm Implements—Wooden Flail, Scoop, Hay Forks, etc. Model of Box Feed Cutter—Made by Dr. J. A. McGee, Big Springs. Donated by Clarence Biddle, Indianapolis.

Donated by Clarence Biddle, Indianapolis.

Chinese Battle Flags—Captured in the "Boxer" War August 12, 1900, at "The Forbidden City," Pekin, China. Donated by Homer Ingle.

Sword Hanger—Supposed to have been worn by General Israel Putnam.

Portion of Wood—From Ship "Alliance," the first vessel to fly the "Stars and Stripes" after their adoption.

Photograph (Framed)—Delegates to the State Convention, G. A. R., Evansville, Indiana, May, 1916. Donated by C. W. Chappell, Co. F, 25th Indiana Infantry, Indianapolis.

G. A. R. Emblem Flag—Donated by Miss Hattie Vaughn, Indianapolis.

Arrow Heads—Louis Hild, Indianapolis.

British Bayonet-Harold Stewart, Indianapolis.

U. S. Navy Gas Mask—Donated by George E. Edenharter, Indianapolis.

Limestone—Donated by Zenia Egnew, Carmel, Indiana.

Japanese Sash, Sword and Scabbard-Ross Boggs, Indianapolis.

Infant's Shoe—Made in 1812. Donated by Cornelius Bowen, Knightstown, Indiana.

Chert Cemented by Gallicate—Donated by W. F. Thompson, Greenwood, Indiana.

British Soldier's Button—From battlefield of Vimy Ridge, France. Donated by J. McCormick.

Bible—Printed in 1812. Presented by E. J. Chandler, Bicknell, Indiana.

Gun Barrel—Used at the battle of Tippecanoe.

Johnny Cake Baker—Donated by E. J. Chandler, Bicknell, Indiana. Jack Knife Work—Two pieces. Donated by D. Onear, Indianapolis. Fragment of Marl—Baked, not burnt, from Saratoga Mt., Florida.

Donated by Mrs. Ella Mussellman.

Laurel Wood Ring—Carved by S. D. Anderson, 17th Regiment, Indiana Volunteers, during Civil War. Presented by Mrs. R. Riley.

 ${\it Collection~Sea~Bird~Eggs}{
m -Sixty-five~in~number.}$ Donated by Glenn Houston Craynor.

Wild Passenger Pigeon—Mounted. Presented by W. S. Ratcliffe, Richmond.

Newspaper—Printed on wall paper during the siege of Vicksburg, Miss., 1863. Presented by Andrew Kunkel, 7th Indiana Volunteers.

Book—Carved from a laurel growing on side of Lookout Mountain, taken while Confederates yet held possession of the summit of mountain range. Book was made while lying in trenches at foot of mountain during the siege October, 1863, by W. F. Cobb, 10th Indiana Volunteers. Donated by Dr. Geo. Edenharter, Central Insane Asylum, Indianapolis.

Petrified Moss—From Fountain County, Indiana. Donated by B. M. Yates, Kingman, Indiana.

Beaver Cutting—From Algonquin Park, Ontario. Donated by — Comstock.

Souvenir Cards—Found in upper lefthand pocket of blouse of Oral Dean, private, first class, 150th Field Artillery, Rainbow Division. Killed by a piece of shrapnel at Chateau Thierry, France, July 19, 1918. Presented by his father and mother, Mr. and Mrs. J. A. Dean.

Paxton Collection from Bluffton, Indiana, added this year, remains unpacked.

GOLD IN INDIANA

W. N. LOGAN, State Geologist.

A large number of specimens of so-called gold reach the office of the Division of Geology and its laboratory each year. These specimens are sent in by citizens of the state who think they have discovered something of value. In most instances the minerals are either pyrite or mica of cupric or brassy hue. Occasionally a copper or zinc mineral is sent in and very rarely a specimen containing native gold. The pyrite is a compound of iron and sulphur and the presence of the sulphur may be easily detected by the odor when the mineral is heated. In some instances vein pyrite carries gold, but little, if any, vein pyrite occurs in Indiana. The pyrite of the state is associated with sedimentary rocks under conditions not favorable to the formation of vein gold.

The mica is a silicate mineral which splits in thin plates and under weathering frequently turns a golden hue. These minute flakes may be distinguished from flakes of native gold by the fact that in water they will remain partly suspended for a short time, as they are of a much lighter specific gravity than native gold. The copper and zinc minerals which are mistaken for gold are usually sulphur bearing but sometimes the native copper is found.

OCCURRENCE OF GOLD

Gold is found in veins usually associated with igneous rocks or in placer deposits. The gold in the veins may occur as free gold (native) in quartz, as tellurides or other compounds, or associated with other metalliferous compounds such as silver, lead, zinc and copper. These gold bearing veins are associated with regions where there have been profound movements of the rocks of the crust of the earth and near enough to regions of vulcanism so that mineralizing thermal waters have penetrated the surficial rocks. It is probable that no where in Indiana have the essential conditions for auriferous veins been met. It is possible that if the domes, such as the Kentland Dome, of northern Indiana, have been the result of vulcanism, some deep seated mineralization may have taken place, but, if so, there seems to be no indication of such action in the exposed rocks.

PLACER GOLD

The weathering of gold bearing rocks and veins produces a concentration of native or free gold in surface deposits of sand and gravel which are called "placers." Placer deposits occur in the beds of streams, in the alluvium of valleys, and in the benches or terraces of valleys. The gold in the placer is in nuggets, flakes and grains. Nuggets vary in size from a small fraction of an ounce up to as high as 2,280 ounces. Of the smaller grains it may require 2,000 of them to make one cent's worth of gold, yet they may form a "color" which can be recognized in the prospector's pan.

The gold of the placer settles to the bottom of the loose sand and

gravel, because of its higher specific gravity, and is found near the contact of the sand and gravel with solid bed rock. Gold-bearing gravels may also contain magnetite sands derived from the disintegration of magnetic iron ores. These grains are also of high specific gravity and settle toward the bottom of the gravel deposit. Thus it happens that the grains of gold are often found in black sands.

The gold of the placer is separated from the sand and gravel by some process of washing away the lighter particles by processes called "panning," "cradling" and "sluicing."

GOLD IN INDIANA

Small quantities of native gold have been found in many of the counties of Indiana which are near or border on the driftless areas. The gold is the placer type, i. e., it occurs in sands and gravels lying in depressions in the bed rock. The gold particles vary in size from microscopic to as large as one-fourth of an ounce. The particles are usually found associated with magnetite sands.

SOURCE OF THE GOLD

The presence of small pieces of vein quartz carrying particles of metallic gold in the glacial drift of Indiana has led to the conclusion that the gold of the state has been brought from some auriferous area of the great crystalline belt of rocks lying beyond the boundaries of the state to the northward. These gold bearing rocks were picked up by glaciers, transported by them and finally deposited within our boundaries. Not only was auriferous vein stone carried but also gold bearing igneous and metamorphic rocks. With the disintegration of these rocks by weathering agents came the concentration of the gold in the placers.

ECONOMIC VALUE

The gold placers of Indiana have little economic value. The cost of securing a water supply large enough to handle a large amount of sand and gravel in a short period of time prevents economic mining. Small winnings may be made by the "pan" prospector, but fair wages are not to be expected.

SUMMARY OF THE DISTRIBUTION OF GOLD IN INDIANA

The following pages give a summary of the distribution of gold in some of the counties of Indiana. The facts recorded have been obtained from the publications named in the bibliography at the end of the article and to these writers the credit is due.

The earliest printed record of the finding of gold in Indiana was found in the Journal of the Franklin Institute for June, 1850, as follows: "Professor Frazer read to the meeting (of the Franklin Institute) a letter from Professor T. A. Wylie, of Indiana University, announcing the discovery of gold in the vicinity of that place and exhibited specimens of the gold and of the black sands in which it is found. The gold has been found in the beds of the rivulets in Morgan County about twenty miles

northeast, in Jackson County about twenty miles east, and in Greene County about fourteen miles west of Bloomington, as well as at certain intermediate points but not in the immediate vicinity. Where it has been found, it is always in connection with a black sand called 'emery.' This sand is found at the bottom of the streams usually at upper end of sandbars, or on margins of the streams where there is a sudden turn, and in such places as it would be naturally deposited on account of its density. The coarse gravel is sifted and washed in the usual way until nothing remains but the dense black sand. Through use of the microscope and magnet, the gold in flat scales is separated."

BROWN COUNTY

The northern boundary of this county is about thirty miles nearly due south of Indianapolis. It contains 320 square miles. High ridges surround Brown County on all sides, while from east to west and southwest, three similar ridges traverse the county, all connected on the divide near Trafalgar in Johnson County. The first and most northern constitutes the southern bluff of Indian Creek and is called "Indian Creek Ridge;" the second, south of Bean Blossom, is known as "Bean Blossom Ridge," and the third is Central Ridge. Only the northern third of Brown is within the glaciated region. The northwestern part of Hamblin Township and the greater portion of Jackson Township are covered with drift accumulations as far south as Bean Blossom Ridge, the drift being found on the slope of this ridge nearly 200 feet above the water in the stream. Boulders of granite, gneiss and jasper, three to five feet in diameter, occur frequently in this region. In Salt Creek Valley, northeast of Nashville, but little drift was seen. Bean Blossom Ridge, then, marks the southern limit of the first and only glacial invasion of Brown County and it is only north of this ridge that gold in anything like paying quantities is found in the county.

The long continued melting of ice, loaded with greenstone, quartzite gold and magnetite deposited quantities of these imported materials in Bean Blossom Valley. Gold is found in the bed or on the bars of all the brooks that flow into Bean Blossom from Indian Creek Ridge and on the streams which flow from the foot of the "drift backbone" in the northeast corner of the county. Fine dust and minute scales may be found further within the county wherever black sand and small pebbles indicate former currents of ice water as far south as Elkinsville. During the excitement a few years ago, several companies took leases, made sluiceways and prepared long rockers. But the returns were not satisfactory. It is probable that the best "pay dirt" lies at the deepest part of the rocky trough in which the creeks have their course. By bores, the line of greatest depth may be ascertained and by shafting, the richest dirt, possibly in paying quantities, may be brought to the surface. Reasoning from the facts observed, this would be true of Bean Blossom, and especially from its greater width and probable depth, also of Indian Creek Valley. This is mentioned as a reasonable deduction, warranted by the facts and not for the purpose of exciting a mining fever. It was estimated that the amount of gold found in the county to 1874 equalled

\$10,000 value, and the best nugget weighed at \$1.10. At least seventy square miles of northern Brown County lies within the drift covered gold bearing region of the first glacial invasion.

The quality of the gold found is of the best, as it will average twenty-two or more carats, as against sixteen to eighteen for California gold and fourteen to sixteen for Klondike gold.

Along each side of the streams in the county mentioned is a strip of bottom land of varying width composed of gravel, clay and soil, the gravel resting upon the bed rock, which is the blue Knobstone shale. It is this gravel next to the bed rock that is richest in gold. Most of the surfaces of these strips are cultivated and the owners will not allow the "gold hunters" to pan except in the beds of the streams. These beds have most of them been washed many times in succession, a new supply of gold being eroded during each freshet from the gravel beds along the banks. These beds which form the base of the lowlands were formed during the melting of glaciers when streams flowing through the valleys were much wider and stronger than now. The gravel and sand composing them was then deposited and the soil for the most part has been formed since then by decaying vegetation and annual overflow.

"After every freshet, the children of the vicinity seek gold along the rocky bottom of each rill and stream and often find pieces worth twentyfive to forty cents. Much of this is found lodged in minute crevices at the bottoms of small waterfalls. A few of the natives do little else than pan gold for a livelihood." One of them, Uncle John Merriman, of Brown County, now deceased, panned more or less every year for nearly seventy years. "The largest nugget he ever found was taken on Bean Creek. It weighed 132 grains and was valued at \$5.50. He found a number of pieces which ran as high as \$1.00 to \$1.25 in value, but most of what he secured was in the form of minute flattish particles. He estimated that the gravel beneath the soil of the lowlands would average twenty-five cents per cubic yard in gold. On two occasions Mr. Merriman kept a careful account of results of a month's work. Sundays excluded, one month yielded him \$34, another \$40. He claimed that he could average \$1.25 a day during the panning season, which runs from March to November except in the summer drought."

CASS COUNTY

"This county lies about eighty-five miles a little west of north of Indianapolis, containing 420 square miles which is wholly within the drift covered area. In the vicinity of Logansport, numerous beds of gravel ranging in thickness from one to thirty-two feet lie immediately above bed rock of Devonian and Niagara limestones. A number of small flakes of gold have been incidentally picked up without panning, which proves that gold is widely distributed in the drift gravel deposits of the state. Most of these deposits are so deeply buried beneath clay, sand and soil of different materials that there is no way of determining the presence of gold and no way of securing it. It is only along the edges of the moraines or where gravel deposits rest on outcrops of bed rock that the gold bearing gravel is accessible."

CLARK COUNTY

"This county, lying in the southern part of the state, was partially covered by the first glacial invasion. Rudolph Bastian states that in the black sand stratum, he can find numerous particles of gold in every panful which he washes. The black sand and garnets are finer than those found farther north and it may be that the deposit is but the diluvium from the streams flowing from the melting glacier of the Brown County region."

DEARBORN AND OHIO COUNTIES

"The most remarkable prolongation of glacial drift southward is seen in Dearborn and Ohio Counties, Indiana, and Boone County, Kentucky. In the first two named counties the drift is found in its greatest force. A low bed of sand and gravel resting upon the Silurian bluish clay shale contains a portion of gold dust and gold washing has been carried on here in a small way for years. If hydraulic washing could be resorted to, it is possible that considerable gold might be washed out. Some portions of this Laughery drift are so rich in gold that it is seen with the unaided eye. The gold is found in the form of dust, flattened scales and small nuggets."

FRANKLIN COUNTY

"This county is wholly within the bounds of the first glacial invasion. In the northwest part of the county in Laurel and Posey townships, upon Sim Creek and its branches, gold is generally disseminated in very small particles. A common panful of gravel and sand when washed out shows from two to three particles of gold in thin scales. None have ever been found larger than a grain of wheat. It is doubtful whether the quantity is sufficient to pay the expenses of washing it out. Gold has been found upon Little Duck Creek, and here, as elsewhere, is associated with black sand."

GREENE COUNTY

"This county lies west and south of the center of the state. The border of the first glacier passed in a northeast southwest direction through its eastern half. Gold occurs with black sand, which is all the record shows us concerning gold within the county."

JACKSON COUNTY

"This county lies south of the central portion of the state comprising 520 square miles. The border of the Illinoian Glacier passed through the eastern half of the county and its alluvium covers much of it. Gold has been found in a number of localities, chief among which is the bed of a stream near Freetown. Scales and particles to the value of about \$5 were panned from the gravel and sandbars. The gold is not present in sufficient quantity in any part of the county to pay for working it."

JEFFERSON COUNTY

"In this county, which is in the southeastern part of the state, wholly within the boundary of the Illinoian drift, gold has been panned only on a stream about six miles north of Madison. No attempt to pan the gold from the gravel of the stream has been made."

JENNINGS COUNTY

"Some particles of gold have been panned from the bed of the south fork of the Muscatatuck. This gold was found in combination with the black sand washed down from the glacial drift of the uplands. The excitement occasioned by this discovery was very great at the time, and some useless labor was spent in sinking a shaft, as the drift and accompanying gold dust was foreign to the state. It was useless to penetrate limestone strata below in search of it."

MONTGOMERY COUNTY

"This county in the western central part of the state lies wholly within the drift of the second glacial invasion. The boulder drift deeply covers the eastern, northern and northwestern parts of the county, bearing internal evidence of its origin as imported from the Laurention beds north of Lake Superior. When long concentrated by currents of water, some notable deposits of gold dust and magnetite occur, associated on account of their approximate specific gravity on the bars and riffles of the water courses. More than \$50 worth of gold dust and magnetite have been panned out by collectors on the ford bar just above Iron Bridge across Sugar Creek. Near the junction of Lye and Sugar Creeks several dollars worth of gold occurs in flat scales."

MORGAN COUNTY

"Morgan County lies just southwest of Marion County near the center of the state and comprises 409 square miles. The west fork of White River flows diagonally through the county from northeast to southwest. The principal tributaries of White River from the north, along whose beds and lowlands most of the gold of the county occurs, are White Lick, Sycamore Creek and its tributary, Gold Creek, Highland Creek, Lamb's Creek, Burkhart's Creek, Fall Creek and Butler's Creek.

"The northern third of Morgan County in which most of the gold occurs, is covered by the drift of the second glacier and the gold is a part of that drift. In the southern part of the county, the drift is that of the first Illinoian glacier which embraced all of the territory included in the county. From each of these glaciers whose crests doubtless towered far above the hills preventing their further movement southward, rapid streams flowed and bore down the gravel, clay and sand with their accompanying gold, now found in beds beneath the lowlands of the present existing streams.

"Gold has been found in the tributaries of Sycamore and Lamb's Creeks and some of the more skillful miners were able to wash out \$2 or \$3 worth of gold per day for several weeks. But the excitement of

an actual 'placer mine' in Indiana brought together so many fortune hunters that every ravine was directly occupied and the sands were soon washed out and the 'gold fever' subsided. Within the last few years the excitement has been revived and gold washing, to a limited extent, has been resumed, paying from fifty cents to \$1 per day. The gold is in very thin scales, almost invisible grains, and is remarkably free from alloy of any kind.

"The origin of this gold is a geological problem. The only rational solution seems to be that which refers the gold to the blue clay, which is the lowest member of the drift. Where the clay forms the summits or sides of the hills, it is washed into gulches by the rains. The lighter and finer particles are borne onward with the current, while the heavy black sands and gold lodge among the rocks in the bottom. Fortunes, however, will never be made by gold mining in Morgan County.

"Along the west branch of Highland Creek, gold in forty-one colors has been panned. On Sycamore and Gold Creeks, the best known Morgan County gold seeker, 'Wild Bill' Stafford, has washed gold for thirty years. He says that where he could get an average of twenty colors to the pan, it always paid to run a sluice box or rocker. Like most other gold hunters of Brown and Morgan Counties, Stafford washes only the bars of the streams, paying no attention to the gravel deposits underlying the lowlands, mainly because the soil is cultivated and owners forbid its disturbance. He says it pays much better to work out and pan a whole bar sweeping the bed rock, cleaning out the cracks where the coarse gold has lodged, than to pan a little here and there. The old experienced washer can pan \$1.50 to \$1.75 per day. One piece of gold valued at \$4.70 was the largest he had ever taken.

"Special attention is given to the lowlands bordering Highland, Sycamore and Gold Creeks and their tributaries. In most places, these lowlands are composed of two or three feet of gravel resting upon the blue shale or bed rock. Above the gravel is a foot or two of clay and above this a sandy or alluvial soil from six to twelve inches deep. The streams, whenever full and swift, erode a portion of the gravel with its accompanying gold, carrying it forward and building up bars farther down their courses. In this manner the annual supply of gold particles in and along the immediate stream beds is replenished.

"About forty-five square miles are overlain with the gold bearing drifts. Practical tests have been made of the lowland material in a number of places in northern Morgan County. These have proved that it runs from thirty to eighty cents per cubic yard. The most thorough test was made on the land of Dr. Clark Cook, just north of the post-office of Brey. Here twenty-five holes were dug through a strip of lowland to bed rock, the average depth being three feet nine inches. From each of these holes, seventy-five pounds of gravel were carefully panned, one-third being taken from the top, one-third from the middle and one-third from the bottom of the gravel stratum. In addition, miscellaneous gravel from the holes was added to bring the total up to two thousand pounds. From this, gold to value of \$1.54 was secured. Allowing three thousand pounds as the weight of a cubic yard of gravel, and deducting two-thirds for soil and clay, barren of gold, but necessary

to handle, the tests showed seventy-seven cents per cubic yard for the matter composing the lowlands. There is probably an aggregate of ten to twelve square miles of the gold bearing lowlands in Brown, Morgan, Johnson and Jackson Counties.

"The most serious problem to be solved in the working of these placer deposits on a large scale is that of a permanent water supply, as most streams are dry several months in summer. By constructing permanent dams in several valleys, enough water could probably be conserved to tide over the dry season. There is no doubt but that large quantities of gold exist in the area mentioned. Only a person experienced in hydraulic and placer mining, who is conversant with the latest improved machinery for that purpose, will be able to state whether the process of its separation can be made a profitable one. One company with a large amount of capital at its disposal could, with a plentiful supply of water and machinery which would care for 98 per cent of the gold, perhaps make money in the thorough washing of these placer deposits, but one is warned against investing money in small stock companies, several of which have been promoted for that purpose in the last few years.

"Adam Linn, a miner in California and Oregon since 1854, made a careful investigation of the lowland deposits and he stated that the gold was much more abundant than he expected. His opinion was that these deposits would yield from twenty-five to forty cents per cubic yard, and thought it well to pipe in water twenty or thirty miles providing a company could control a thousand or more acres of the lowlands. Otherwise the expense would be greater than the output.

"In the southern part of Morgan County gold also occurs along all the streams and equals in richness to these of the northern part of the county.

"In western Morgan County, in 'Burkhart Settlement,' gold is equally abundant. John Merriman, the veteran Brown County gold seeker mentioned above, here once secured 264 colors, by actual count, in one pan.

"Doubtless these lowlands of Morgan County are richer in gold than those of similar tracts in Brown County. Gold is undoubtedly present in both counties and perchance some day a mining engineer with experience and up-to-date machinery will prove that it is present in paying quantities."

PUTNAM COUNTY

"This county is forty miles due west of Indianapolis and lies wholly within the 'Illinoian drift' area and the border of the Wisconsin drift passes across its center. Gold has been found in a stream flowing into Big Walnut Creek, two miles east of Bainbridge, in a thick bed of black magnetic sand. However, it does not exist in paying quantities."

VANDERBURG COUNTY

"This county lies in the southwestern corner of the state on the Ohio River, wholly outside the drift area. However, minute quantities of gold and nuggets of copper ore sometimes are found."

WARREN COUNTY

"This county lies on the western border of Indiana, wholly within both drift areas. Virgin copper and gold are found in small quantities. These metals, with small nuggets of galena, were imported from the north. At Gold Branch of Pine Creek, on a gravel bar, a quantity of gold reported at \$70 was collected. An energetic Californian can 'pan out' from \$1.00 to \$1.25 per day. An equal amount of labor expended at any ordinary avocation will bring better returns.

"Besides the above mentioned counties, gold has been found in minute quantities in Gibson and Pike, both along the border of the drift area, and in Sullivan County."

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POTASH IN THE NEW PROVIDENCE SHALE OF INDIANA

JOHN R. REEVES

The word "potash" is a trade name at first applied to some of the salts of potassium and later applied to other specific salts of this element. Potassium is an element belonging to a group known as the alkali metals and is similar in properties to sodium and lithium. Potassium does not occur free in nature, but in compounds, among which are the different forms of potash. The element is widely distributed, being found in sea and mineral waters, soils, saline beds, sea weeds, and in many rocks, shales, and clays, also in minerals such as orthoclase feldspar, glauconite, sericite and leucite. Although the element is widely distributed throughout the earth's crust, soluble compounds that can be put to immediate use are not so plentiful. Pure potash is potassium oxide (K₂O), this having been adopted as the unit of measurement for all potash salts. Some of the most abundant salts of potassium are sulphate (K₂SO₄), potassium nitrate (KNO₃), and potassium carbonate (K₂CO₃). The potash value of any one of these salts is determined by the per cent of K2O equivalent it contains. The marketed salts are seldom pure as they often contain other common salts as sodium chloride, sodium sulphate and calcium sulphate which are expensive to remove. Potash is sold, for example, as 75 per cent potassium sulphate which contains a 54 per cent equivalent of potassium oxide. In this case, of the material bought, 75 per cent is potassium sulphate and the potassium sulphate contains an equivalent of 54 per cent potassium oxide or pure potash, thus the buyer pays for the amount of potassium oxide only.

USES OF POTASH

Most of the potash used in the United States is for agricultural purposes as a fertilizer. As one of the essentials to plant growth, it is most likely to become exhausted. Caustic potash is used in the manufacture of fine soaps and is the base of all soft soaps. Hydrated potassium carbonate is used in the manufacture of high grade glass, such as is used in electric light bulbs, cut glass and optical instruments. Potash is also used in the manufacture of explosives and matches. Certain compounds of potassium are used in tanning leather, particularly chrome leather, in photography, electroplating, metallurgy, dyeing, medicine and in chemical laboratories.

PRODUCTION OF POTASH

Until 1917 most of the potash used in this country was imported from the Strassfurt deposits of Germany. This supply was shut off on account of the war until 1920, when a considerable amount was again imported. After the German supply became shut off in 1916 exploitation of known sources in the United States was begun and efforts were made to locate new deposits. Potash is produced from Searle's Lake of California, probably the richest source, from the Salt Lakes of western Nebraska and from the Great Salt Lake of Utah. Potash has also been produced from the sea water and from kelp or sea weeds. organization has recently been effected to handle 10,000 tons of alunite daily from a deposit near Marysvale, Utah; however, some production has been going on here since 1916. Alunite is a hydrous sulphate of aluminum and potassium whose symbol is (K2O. 3Al2O2. 4SO4. 6 H2O) and is a much more common mineral than at first thought. The mineral is also found in several other states. Glauconite or greensand has long been used for fertilizing purposes and as a source of potash and lime. It is found mostly in the Atlantic coastal states.

THE NEW PROVIDENCE SHALE

When potassium bearing igneous rocks as granite, syenite, diorite and gabbro, are disintegrated by erosion, the sediments formed are redeposited usually as shales or clays. The chemical composition of these sediments is such that they are not readily subject to any chemical influences such as oxidation or weak acids, that may prevail during their transportation from the place of origin to the place of deposition. After the deposition of such sediments has taken place or during deposition, cementation usually occurs in the form of calcium carbonate, iron sulphide, or in certain cases some silicates. Having been deposited in

shallow sea water, probably on a coast as sand, small quantities of the soluble salts carried in solution by sea water may also be deposited, such as magnesia, lithia and salt. However, the presence of these materials most probably came from waters subsequent to deposition. Unless metamorphism of such a deposit takes place or unless it is subjected to the heat of a nearby basic intrusion, its composition after solidification is not liable to change.

A formation deposited under the above conditions is the New Providence shale. Although it is not certain, the main body of this shale probably came from Appalachia in a disintegrated form as sediment. These sedimentary silicates not being subject to chemical change under the prevailing conditions existent during their transportation were deposited in a sea of considerable depth. During this period of deposition which must have been long as the formation is 160 feet thick in places, it is possible that conditions prevailed under which the thin limestones of the formation as found in Jefferson County, Kentucky, were laid down.* Granite contains about 5 per cent potash, syenite 3 per cent, diorite nearly 2 per cent and gabbro less than 1 per cent. The New Providence shale contains from 3 to 6 per cent potash in the same form as found in the igneous rocks, about 60 per cent silica and 20 per cent alumina.

It has been suggested by Dr. W. N. Logan that the potash of this formation is glauconite or of glauconitic origin. The pale green and blue-green color of the formation suggests this as well as the amount of potash in the formation, although slightly lower than most glauconites. Microscopic examination of the shale has failed to reveal the grains of glauconite. Glauconite sand when exposed to weathering darkens, the glauconite grains becoming black or almost black. This is not characteristic of the New Providence. It may be noted that the consumption of glauconite and the New Providence shale differs. Though that fact may or may not have little bearing on the origin of the potash. Analyses of the glauconite show its silica content to average 50 per cent, the total iron 23 per cent, and the alumina 7.5 per cent. Analyses of the New Providence show its silica content to average 50 per cent, the total iron to be 5 per cent, and the alumina 18 per cent. The origin of glauconite has often been connected with the presence of marine fauna, but there is no evidence of marine life of any form in the New Providence shale with the exception of the very few thin lenses of limestone found in its upper part in Kentucky.

The first two of the following analyses were taken from Chas. Butts' Geology of Jefferson County. The third is taken from the 28th Rep., Ind. Geol. Sur., p. 513.

		K ₂ O	SiO:	TiO2	Al ₂ O ₃	H ₂ O	Fe ₂ O ₃	CaO	MgO	Na ₂ O
No.	1	 3.98	63.38	.91	17.85	4.99	5.38	.38	1.47	1.29
No.	2	 4.85	60.44	.80	19.92		6.48	.28	2.01	1.00
No.	3	 4.87	60.40	.83	19.73		4.72	.78	2.10	.96

No. 1 was taken from the lower part of the formation, Coral Ridge, Jefferson County, Kentucky. Used by the Coral Ridge Clay Products

^{*} Chas. Butts, Geology of Jefferson County, Ky., Geol. Sur.

Company for bricks. No. 2 is the same as the first except that it is from the lower part of the formation. Blue shale, No. 3, was taken one mile west of New Albany and the shale was used for bricks.

DESCRIPTION OF THE NEW PROVIDENCE

The formation is the lower member of the Knobstone group of Indiana and is correlated with the Osage of the Mississippi Valley. The formation is underlain by the Rockford limestone and is capped with the Kenwood sandstone.

The formation is composed of soft green and blue shale easily disintegrated by weathering, particularly running water. The body of the shale is composed of very fine grains, over 85 per cent of which pass through a 200 mesh screen after being washed. These fine grains seem to be bound together by a greenish argillaceous material even finer in texture. The shale is plastic and can be easily molded. Locally there occur thin lenses of limestone and ellipsoidal nodules of siderite.

In Indiana the formation is at least 120 feet thick at New Albany. Across the river in Jefferson County, Kentucky, the formation, according to Chas. Butts, is from 150 to 160 feet thick as near as can be determined. The shale is at least 100 feet thick in Bartholomew County about five miles west of Columbus. A shale is being used at Brooklyn, Indiana, for bricks which is thought to be the New Providence. The shale is found elsewhere in Indiana in Scott, Jackson and Morgan Counties and probably others.

POTASH DEVELOPMENTS

In 1917 the Louisville Cement Company began to perfect a method by which to utilize the potash of the New Providence shale. As they were already using it in their cement mix, the matter of quarrying and a supply did not need to be considered. After long experimentation the following method, which has kindly been described by Mr. H. D. Baylor, superintendent of that company, was used at a profit. The method is essentially the same as other processes which convert the insoluble silicate to a soluble salt by replacement, the potash coming out in the form of a chloride or sulphate.

The shale was quarried by means of a steam shovel, loaded into dump cars, and hauled to the mill. Here it was first put through a dry pan mill for initial reduction, then passed through a rotary dryer to drive off all the excess moisture. After being dried it was mixed with the proper proportion of limestone and salt to bring about the transformation of potash. When treated the mix consisted of:

65 per cent New Providence shale (average 4½% K2O).

25 per cent limestone.

10 per cent salt.

This mixture of material was conveyed to the raw grinding department where it was reduced to a fineness of 95 per cent passing a standard 100 mesh sieve. From here it was conveyed to a hopper directly over a briquetting machine. From this hopper a constant feed was drawn to the briquetting machine and at the same time it was sprinkled

with just enough water to thoroughly mix it and form a comparatively dry briquette. These briquettes as they came from the machine were discharged through a gravity pipe into the upper end of a seven by 100 feet rotary cement kiln.

At first the material was not briquetted but fed to the kiln in a dry form as in the dry cement practice, but the results obtained were not satisfactory, due to the material slipping on the bottom of the kiln instead of turning over, the result being that the top part of the mix was overburned and the bottom part underburned. The mixture was then introduced in a slurry form. This necessitated the use of large slurry tanks, pug mills and pumps. Using the slurry mixture in the kiln gave a very intimate mixture and the desired turnover, but another difficulty became apparent. When the material in the kiln began to dry enough to be gummy it began to build rings on the walls of the kiln, thus shutting off the kiln draft. It was found impossible to operate the kiln for more than forty-eight hours without making a shut down to clean out the rings. Different methods were used to prevent the formation of rings, but none gave the desired results. After operating under these conditions for several months it was decided to make use of the good points of both dry and wet methods and eliminate their weak points. The briquetting machine was then installed, the product from it being a semi-wet material that was too dry to ring the kiln and at the same time coarse enough to give the necessary turn over in the kiln.

The heat in the kiln was produced by means of pulverized coal, the same as used in cement practice. Care was taken not to let the temperature go beyond 1,600 degrees F. Temperatures above 1,600 degrees cause the potash to volatilize and allow it to escape with the flue gases. The changes brought about in the kiln by this heat treatment consisted essentially of converting the insoluble potassium silicate to the soluble potassium chloride. In this heat treatment an average of 80 per cent conversion was effected.

After the heat treated bricks were discharged from the kiln they were carried into storage and allowed to cool. From this storage they were carried to the grinding machinery where the material was ground to the fineness of corn meal. After the grinding it was carried to the mixing pug mill where enough water was added to make a slurry thin enough to pump with the ordinary type of slurry pump. After being thoroughly mixed and agitated with water (usually about twenty minutes was enough to get all the potash in solution) it was pumped to continuous filter wheels where the original mixing water was extracted and the remaining dry cake on the wheel washed two or three times to extract the final traces of potash. By this method 98 per cent of the soluble potash was recovered. After going through the filter wheel process the solid residue was conveyed back to the cement mill where it was incorporated with the regular cement mix. The potash brine extracted in the filter wheel process was pumped to an evaporating plant where the potash and excess salt were separated. purpose of evaporation three Swenson single effect evaporators with the necessary auxiliaries were used. Difficulties were encountered here, due to the formation of scales on the tubes by the large amount of calcium sulphate in solution. Various softeners were used to reduce this with some results. Frequent scalings were also necessary. By the method described above a potash matter was extracted averaging about 20 per cent potassium oxide.

At the time the plant was closed down (about two years ago) potash was being produced at a cost of approximately \$2 per unit or ten cents per pound pure potassium oxide. Mr. Baylor believes the cost of production can be reduced materially by increasing the output of the plant and improving the method gradually.

AN INTRAFORMATIONAL BRECCIA OF THE ST. LOUIS LIME-STONE OF INDIANA

JOHN R. REEVES

According to Graubau (1) an intraformational breccia is one formed from the sequential divisions of a single rock series, and according to C. D. Walcott's (2) definition, which is somewhat more explicit, an intraformational conglomerate is one formed within a geologic formation of material derived from and deposited within that formation. It must be stated here before going further with the discussion, that the terms "intraformational breccia" and "intraformational conglomerate" have been used in describing similar formations. The difference between the two is that the embedded material of a breccia is more angular and less water worn that that of a conglomerate, the matrix or cementing material being nearer the composition of the fragments of the breccia and the time that elapsed between the fragmentation and embedding less. However, these are only general distinctions and cannot be said to hold true in all cases.

In speaking of the origin of intraformational conglomerates Walcott (2) says, "The presence of the conglomerate above the limestone beds, from some portions of which they were derived, leads me to believe that the sea bed was raised in ridges and domes above the sea level and thus subjected to the action of shore ice if present, and the aerial agents of erosion. From the fact that the limestone upon which the conglomerate rests rarely if ever show traces of erosion where the conglomerate comes in contact with it, the inference is that the debris worn from the ridges was deposited in the intervening depressions beneath the sea." It does not seem probable that a single layer a few feet thick lying in a shallow sea near a shore could be raised in ridges and domes above the sea level without a folding of the rocks below also, and this is not usually the case since the breccia is intraformational and the rocks above and below are parallel. But if there were special forces sufficient to cause the folding of such a layer, it is difficult to conceive of a thin rock of sufficient strength to withstand folding and subsequent erosion.

F. W. Sardeson (3) thinks that "giant sea weeds anchored to the bottom, if entangled by rafts of other sea weeds driven by storms or

by sea current—a sort of sargasso—would appear to be a sufficient agent to tear up the bed of a shallow sea, at least under favorable conditions, over a very wide area. Earthquakes might be the cause of loosened stone on the bottom of the sea, or, again, of currents such as to cause dragging up of the bottom by sea weeds." These causes seem quite probable in some cases, but the hypothesis rather resorts to the unusual. Such informations as are under discussion are widespread throughout geologic time, and it seems there should be some more common cause for their origin.

E. Wilson (4) supposes that the fragments "must have been simultaneously deposited over several square miles and in water of variable depth and distance from the land. Though no striæ have been found, the angularity and confused arrangements of the fragments, the fact that some of the largest have travelled a long distance, and the general absence of any attempt at stratification, the sudden transition in thickness and texture of the breccia, point possibly to glacial origin, as droppings, say, from the melting of icebergs or floes." This may be necessary to account for some formations in which the embedded material is of composition entirely foreign to the matrix or adjacent rocks, but such a formation, according to definition, is a conglomerate or normal breccia.

In speaking of the distribution of pebbles due to organic growth in a conglomerate, after they had been formed, T. C. Brown (5) says, "At periodic intervals these beds of calcareous mud and intermingled pebbles slumped or slid along the sea bottom under the influence of gravity. At the time of the slump or slide the matrix around the pebbles consisted of incoherent lime-mud or paste. As it moved it developed unsymmetrical waves or ripples in its mass—and there remained until the lime-mud became transformed into limestone."

Stose thinks that they were formed by thin layers breaking into small flat pebbles or shingle. When the tide came in, these flat fragments were washed together in all positions and held by a soft paste which surrounded them. This does not explain what caused the breaking up of the fragments, but it is quite probable that tidal lime-muds such as we now find on shores could become the limestone matrix of these breecias.

In his paper on the Shawangunk formation Schuchert (6) remarks that these fragments were formed by "local disruption of a thin bed of shale by storm generated waves in this shallow water deposit."

W. N. Logan has suggested that the origin of these fragments may have been due to mud bumps such as are now found along the Gulf Coast, rising above the sea level, drying to hardness, and then becoming broken up by storms.

"Such rocks," writes Grabau (1) in speaking of intraformational breccias, "are composed largely of the finest lime-mud, accumulated in shallow water or in part even above the normal level of the sea. In form they probably constitute a sort of mud flat delta. On exposure, partial hardening permits the formation of a superficial crust, which may subsequently break or become deformed by the sliding of the entire mass seaward. If the surface layers alone slide, a fracturing will re-

sult which produces a mass of angular or subrounded flat mud cakes, which will be held together, as a result of this sliding, in a compound mass, the fragments most frequently standing on end, but also inclined in all directions. They will be surrounded by the fine still fluid mud which wells up around them and in which these fragments become embedded. Thus is formed an *edgewise conglomerate*." Such is Grabau's theory as to the origin and it seems that it can account best for the numerous intraformational breccias found in all geologic ages.

It is generally admitted that these breccias were formed in a shallow sea near a shore. It is probable that wave action played an important part in either breaking up the fragments or in eroding them, or both. It is more probable that the material from which the fragments were derived came from the dried lime-mud on shore or thin hardened lime-stone layers capable of being shattered by wave action. The wave-like forms in which the embedded materials have been found, as described by Brown (5) show this and also show that they have been tumbled and washed by water. It is also possible that special causes may have produced certain breccias but these may not be applied as a general theory for most of them.

DESCRIPTION OF THE ST. LOUIS LIMESTONE BRECCIA

This intraformational breccia is found near the middle of the St. Louis limestone (Mitchell) of Indiana, in McCormick's Creek Gorge, near Spencer. It may be traced along the north wall of the gorge for a distance of three hundred yards, and is from five to fifteen feet in thickness.

The embedded fragments vary in size from one-half to four inches in diameter. In shape they vary from roundness to angularity, the greater part of them being subangular. The fragments are of soft sandy limestone and the matrix partly of blue argillaceous clay and partly of blue-gray hard limestone. There are no bedding planes, and the fragments are heaped together in a confused mass. There is no evidence of folding or faulting within the formation, but in a few cases the fragments show evidence of slickensided surfaces. No fossils were found. At fairly regular intervals there appear what might be crude wave forms, the depressions or troughs being filled with the hard bluegray limestone which rests immediately on top of the breccia. In one place the breccia has been eroded through to the layer of limestone below and exhibits appearances which might lead to the belief that the erosion was due to a current of water. The overlying layer, as has been stated, is a blue-gray hard limestone, and the underlying one is gray-white and brittle, that is, characteristically St. Louis in this region. These layers are parallel to each other. The general dip of the strata in this region is to the southwest at the rate of thirty-five feet per mile.

CONCLUSIONS

In the formation of this breccia it seems probable that the shore of a shallow sea was covered with lime-mud, the upper exposed part being cracked and hardened by exposure to the sun, the lower depths being still quite wet and muddy. The whole slid or slumped seaward under the influence of gravity and in the sliding or slumping some of the fragments were slickensided. By wave and tidal action as well as from slumping the fragments were eroded and scattered out in a bed in which were left crude wave marks, and the soft mud was washed in among the mass of harder fragments, becoming part of the matrix. In a comparatively short time the mass of fragmented material became embedded in and was covered over by lime-muds and the whole solidified, forming an intraformational breccia. References:

- (1) Grabau, Principles of Stratigraphy, p. 530.
- (2) C. D. Walcott, Bull. Geo. Soc. Am., Vol. 5.
- (3) Sardeson, Geo. Soc. Am., Vol. 25, P. 315.
- (4) E. Wilson, Geo. Journ., Vol. 32, 1876.
- (5) T. C. Brown, Jour. Geo., Vol. 21.
- (6) Schuchert, Geo. Soc. Am., 1916.

REPORT OF THE DIVISION OF ENTOMOLOGY

FRANK N. WALLACE, State Entomologist, Chief of Division.
HARRY F. DIETZ, Assistant Entomologist.
HAROLD E. TURLEY, Plant Pathologist.
EVERETT SMITH, Inspector of Nurseries.
FRANK B. WADE, Deputy Nursery Inspector.
CHARLES O. YOST, Chief Inspector of Apiaries.
THOMAS C. JOHNSON, Deputy Bee Inspector.
JAMES E. STARKEY, Deputy Bee Inspector.
HELEN WARREN SEEGER, Clerk and Stenographer.

The Division of Entomology must inspect all the nurseries in the state and issue Certificates of Nursery Inspection to those whose stock is free from injurious insect pests and plant diseases. It handles the apiary inspection and while doing this inspection work teaches better methods of beekeeping. Members of the division study the insect pests and plant diseases so as to be able to advise the citizens of the state as to the proper methods of combating insect pests and plant diseases. They inspect all nursery stock imported from Europe to see that no new pests are present and thus gain a foothold in the state. The division has police powers in order to enforce any regulations that may be issued so that new pests or plant diseases may be held in check, or eradicated if such is possible.

NURSERY INSPECTION

There were 196 nurseries which were given a Certificate of Nursery Inspection entitling them to sell nursery stock this season. This is an increase over former years but the new nurserymen as a rule are only small fruit growers who sell berry plants as a side-line of their fruit business. We are insisting that any person selling plants must first

receive a Certificate of Nursery Inspection from this office so that diseases and insect pests of these plants cannot be disseminated.

Considering the dry weather most of the nurseries were in excellent condition. It seems remarkable that the growers were able to accomplish results that they have under the adverse weather conditions during the middle of the summer. Some of the berry growers did not have their places in condition to be issued a certificate but when they were shown the poor quality of their plants and made to understand the requirements of the office they did not insist on receiving their certificates.

This year we have listed the acreage which the nurserymen have set with nursery stock. This will give the purchaser an idea as to the size of the nursery he is doing business with. This does not mean that the smaller nursery is in any way inferior to the larger one but in several cases we have found nurserymen with a very small acreage advertising the fact that they had an extremely large nursery and we feel the purchasers of nursery stock are entitled to know the size of the nursery they are doing business with. We have often had inquiries as to just what acreage a nurseryman has in growing stock and we have been requested many times to require the nurserymen to put their acreage on their shipping tags.

As an illustration of the value of nursery inspection I might cite the conditions which prevail at this time in Clark and Washington counties in regard to red raspberry culture. A few years ago there were hundreds of thousands of dollars of red raspberries shipped from the town of Borden, in Clark County, and during the berry season the Monon railroad ran a special express train to carry these berries to the Chicago This train left each night during the picking season and arrived in Chicago early enough to put the berries on the market the following morning. Just when this market was being developed our nursery inspectors found a serious disease of the red raspberry plant, called crown gall, in some of the fields. We refused to issue a certificate to the owners of these diseased fields and were able to prevent the sale of these plants; but a great many growers resented the fact that they were not permitted to sell their stock and allowed their neighbors to come in and dig their own plants free. We issued warnings to the growers that these plants were not fit to be used but they planted them in spite of our warnings and thus spread the disease through the entire neighborhood. This disease has now become so widespread in that district that it has almost forced the berrymen to stop growing red raspberries in that section and in Clark county alone I believe the people have lost at least a half million dollars worth of business each year. The soil in that section seemed to be ideally adapted for berry growing and it is a shame that the people were so shortsighted that they could not see our regulations were for their own protection and that we were not trying to boost the business of a few growers who had the clean patches. It is to be hoped that the Borden situation will be an object lesson to the growers of the state and that the same shortsighted methods will not prevail again.

INDIANA NURSERYMEN-1921

Name Town	Cert. N	o. Kind of Certificate	Acres
Abraham, Omer R., Martinsville, R. R. 1	192		Acres 1
Allen, Chas. B., West Baden, R. R. 2	85	Raspberry plants	1
Allison Brothers, Columbus, R. R. 4	70	General nursery stock	4
Anglin, Edward, Atwood	137	Small fruits	4
Baker, Frank, Goshen	159	Strawberry plants	4
Barnard, C. H., Westville, R. R. 1	118	Strawberry plants	3
Baur and Steinkamp, Indianapolis	27	Greenhouse stock	65,000
			sq. ft. glass
Beck, E. H., Michigan City, R. R. 1	110	Small fruits	21/2
Beckner, H. G., Greenfield	78	General nursery stock	1/2
Beer, Henry, Milford, R. R. 2	142	Small fruits	1/2
Bennett, H. G., Lafayette	98	General nursery stock	10
Bennett, Robert A., Grandview	35	General nursery stock	2
Bertermann Brothers Co., Indianapolis	194	Greenhouse stock and ornamentals	150,000
			sq. ft. glass
Bierly, J. D., Borden, R. R. 2	64	Small fruits	10
Bierly, Otis R., Borden, R. R. 2	8	Strawberry plants	1
Blankenbaker, D. O., Borden, R. R. 2	16	Strawberry plants	2
Blankenbaker, E. E., Borden, R. R. 2	14	Strawberry plants	2
Bogue, B. P., Fairmount	116	Small fruits	1
Bolinger, W. F., Mishawaka	106	General nursery stock	1/4
Boller, A. A., Francesville, R. R. 2	54	Small fruits	. 8
Brammer, John E., Burns City, R. R. 2	129	Small fruits	$2\frac{1}{2}$
Brant, J. R., Hessville, Box 11	119	Strawberry plants	10
Brems, Charles, Knox, R. R. 3	96	Small fruits	2
Brown, David A., Mishawaka, R. R. 2	117	Small fruits Small fruits	2
Brown, James, Borden	15 32		3
Burkhart, Henry, Indianapolis, R. R. E. Burns, W. O., Pekin, R. R. 3	63	General nursery stock Small fruits	20
Burns City Nursery, Burns City	10	General nursery stock	21/2
Burt, Charles J., Warsaw, R. R. 7	138	Strawberry plants	75
Bush, Aaron, Marion, R. R. 1	73	Grape vines	3/4
Bywater, William, Borden, R. R. 2	9	Raspberry plants	1/4
Cain, Aldo E., Dublin	53	Small fruits	7
Callahan, D. W., Pekin, R. R. 4	17	Strawberry plants	1
Callahan, P. H., Pekin, R. R. 2	18	Small fruits	2½
Campbell, Harry I., Warsaw, R. R. 7	134	Strawberry plants	1/4
Carlson Brothers, Hobart, R. R. A	120	Strawberry plants	2
Cathcart, Alva Y., Bristol, R. R. 4	156	General nursery stock	1
Cato, Thomas, New Harmony	181	Gate trees	1/4
Coats, Marion, Borden, R. R. 3	66	Small fruits	2
Collins, Lamar, Underwood, R. R. 2	20	Raspberry plants	11/2
Columbus Nursery and Fruit Farm, Columbus,			-/ 2
R. R. 5	65	General nursery stock	3
Caugill, Charles E., Auburn	46	Perennials	1/4
Craun, W. R., Angola, R. R. 3	90	Strawberry plants	1
Crawford, Mrs. William, Laporte	105	Ornamentals	1/2
Crowell, Frank, Goshen .	190	Ornamentals	1/4
Crown Hill Cemetery Company, Indianapolis	45	Ornamentals	3
Cutler, D. L., Warsaw, R. R. 7	139	Strawberry plants	31/2
Davis, John S., and Sons, Knox, R. R. 3	95	Strawberry plants	1/2
Davis, J. W. Company, Terre Haute	77	Greenhouse stock	21
Durham, B. F., Borden	61	Small fruits	3
Eaton, John L., Burns City	72	Small fruits	21/2
Eichoff, Mrs. H. C. and Sons,	o.E	CI 1 1	
Indianapolis, R. R. P	97	Shade and ornamentals	7
Elwood Nursery, Elwood	101	Ornamentals	31/2
Evansville Nursery Company, Evansville	28 88	General nursery stock	35
Everett, Joe W., Hamilton Fairview Gardens, Elnora		General nursery stock Shade trees	1
Tailview Gardens, Emora	01	blade frees	1

INDIANA NURSERYMEN-1921-Continued

Name Town	Cert. N	o. Kind of Certificate	Acres
Farmers Nursery and Fruit Farm, Burns City	57	General nursery stock	2½
Fawkes, M. G., Fremont	92	Small fruits	1
Fendel and Squier, Rockport, R. R. 1	161	Strawberry plants	2
Fisher, John F., Medora, R. R. 2	175	General nursery stock	4
Flory, A. E., and Sons, Logansport, R. R. 11	169	Small fruits	5.
Flory, D. M., Logansport, R. R. 11	93	General nursery stock	3
Fonner, W. A., Decatur, R. R. 7	40	Strawberry plants	1/2
Fry Brothers, Lafayette	75	Small fruits	8
Fullhart Nursery, Muncie	191	General nursery stock	15
Gaar Nursery, Cambridge City	52	General nursery stock	10
Garber, D. M., North Webster	155	Small fruits	$2\frac{1}{2}$
Goshert, Chas., Warsaw, R. R. 2	133	Strawberry plants	2
Graham, Charles F., Jeffersonville, R. R. 2	121	General nursery stock	. 1/4
Gray, Dan M., Borden, R. R. 2	62	Small fruits	3 .
Gray, Sam, Pekin, R. R. 2	6	Strawberry plants	1
Gray, William T., New Philadelphia, R. R. 1	193	Peach trees	1/2
Green's Fruit Farm, Portland, R. R. 7	38	Strawberry plants	1/10
Hasse's Home Nursery, Terre Haute	43	General nursery stock	20
Hagen and Squier, Rockport, R. R. 2	162	Strawberry plants	1
Halleck Nursery Company, Fair Oaks	148	General nursery stock	6
Hans, James, Anderson, R. R. 6	172	Small fruits	1
Heffley, W. H., Logansport	150	Small fruits	1/2 .
Heller Brothers Company, Newcastle	26	Greenhouse and Ornamentals	70,000
			sq. ft. glass
Hewes, Theo., Indianapolis	47	Strawberry plants	. 1
Hill, E. G. Company, Richmond	3	Greenhouse and Ornamentals	250,000
			sq. ft. glass
Hill, Joseph H. Company, Richmond	. 1	Greenhouse stock	250,000
			sq. ft. glass
Hilty, John J., Berne, R. R. 4	41	Small fruits	1/4
Hobbs, C. M., and Sons, Bridgeport,	50	General nursery stock	250
Hoffman, R. P., Paoli, R. R. 1	83	Ornamentals	2
Hofreiter, Andy, New Harmony	189	General nursery stock	2
Hohman, S. A., Packerton	143	Strawberry plants	1/2
Hoke, Jacob, Borden, R. R. 2	12	Strawberry plants	1/2
Home Nursery, Hatfield	36	General nursery stock	9
Hood, G. W., Osceola, R. R. 1	81	Ornamentals	1/2
Hoosier Rose Company, Newcastle	186	Greenhouse and ornamentals	70,000
			sq. ft. glass
Indian Creek Nursery, Crandall	68	General nursery stock	1
Indianapolis Plant and Flower Co., Indianapolis	124	Shade and ornamentals	1
Ireland, Charles A., Brownstown	86	Strawberry plants	1/3
Irvington Gardens, Indianapolis	126	Shade and ornamentals	1
Irwin, T. J., Mount Vernon	180	Nut trees	1/4
Jackson, Burt, Borden, R. R. 3	188	Small fruits	$4\frac{3}{4}$
James, W. D., Shelbyville, R. R. 3	22	Strawberry plants	1/2
Jarrett, J. A., Montpelier, R. R. 3	166	Small fruits	1½
Johnson, Jeff, Borden, R. R. 1	176	Strawberry plants	1
Johnson, William, West Baden, R. R. 2	84	Raspberry plants	3/4
Jones, E. M., Mentone	153	Small fruits	3
Keel, Thomas, Westville, R. R. 1	104	Strawberry plants	1½
Knipe, Thomas L., Kokomo	184	Ornamentals	1
Knox Nursery and Orchard Company, Vincenne		G 1	
R. R. 2	33	General nursery stock	24
Krider, Vernon, Goshen, R. R. 1	168	General nursery stock	30
Lafayette Nursery Company, West Lafayette	170	General nursery stock	5
La Hayn, William, Chesterton	151	General nursery stock	1/2
Laketon Nursery, Laketon	130	General nursery stock	6.
Landis, Worthy, Angola, R. R. 3	2	Small fruits Greenhouse stock	2
Lemon, Fred H. and Company, Richmond	Z	Greenhouse stock	50,000
		•	sq. ft. glass

INDIANA NURSERYMEN-1921-Continued

Name Town	Cert. No	o. Kind of Certificate	Acres
LeRoy, B. F., Laporte, R. R. 8	111	Small fruits	2
Lewis, David G., Fairmount	115	General nursery stock	2
Light, J. M., Orland	91	Strawberry plants	1/4
Lightner, Mrs. O. E., Warsaw, R. R. 2	145	Small fruits	41/2
Long, T. A., Elnora	114	Small fruits	11/2
Loy, C. O., Pendleton, Box 326	102	Ornamentals	1/2
Lung, Nicholas and Son, Garrett, R. R. 1	100 136	Strawberry plants	1
McCloughan, B. E., Etna Green, R. R. 2 McCoy's Nut Nursery, Lake	146	Strawberry plants Nut trees	1/4 9
McKinley, Dennis, Borden, R. R. 1	173	Strawberry plants	1
McKinley, Mason, Borden, R. R. 1	177	Strawberry plants	1
Maple Hill Rose Farm, Kokomo	163	Ornamentals	12
Merrill, H. R., Brownstown	69	General nursery stock	1.
Miller, Arthur F., Borden, R. R. 3	67	Small fruits	41/2
Model Nursery, Bristol	157	Raspberry plants	1/2
Moffit, Frank, Carmel	94	Small fruits	2
Moore, F. E., Wallen	99	General nursery stock	1/4
Morris, T. H. and Son, Cloverdale, R. R. 1	195	Peach and cherry	5
Mort, John, Warsaw, R. R. 3	140	Strawberry plants	1
Morton, J. A., Floyd Knobs, R. R.	4	Small fruits	15
Munger, Roscoe, Orland, R. R. 1	76	Small fruits	1/2
Murray, A. M., Goshen, R. R. 4	158 183	Small fruits Small fruits	1 2
Nation's Plant and Fruit Farm, Macy, R. R. 3 National Show Gardens, Spencer	108	Ornamentals	20
Neal, Frank, New Harmony	182	Gate trees	1/4
Nicholson, Jack, Borden	174	Small fruits	5
Norris, George M., Mentone	135	Strawberry plants	3/4
Ooley, Burt, Borden, R. R. 2	.7	Strawberry plants	2
Orinoco Nursery, Columbus	23	Shade, ornamentals and hardy	
*		perennials	15
Osborn, Alfred S., Odon	71	Raspberry plants	2
Osborn, James T., Burns City	74	Small fruits	3
Osborn, John D., Carthage, R. R. 2	164	Strawberry plants	1/4
Overman, R. J., Danville	123	Small fruits	1
Park View Nursery, Muncie	30	Ornamentals	1/4
Patterson, R. T., Bloomfield	128	Small fruits	$2\frac{1}{2}$
Pearson, W. T., Marengo	82	General nursery stock	1/2
Pierce, A. D., Knightstown, R. R. 2	165 132	Strawberry plants	1/3
Phelps, Edward, Warsaw, R. R. 2 Phillips, Joe, Bloomfield	48	Strawberry plants General nursery stock	1/2 2
Platner, S. C., Mishawaka, R. R. 2	107	Small fruits	1/2
Preble, A. C., Marion	149	General nursery stock	1
Princeton Nursery, Princeton	34	General nursery stock	30
Ragle, Amos, Elnora	58	Small fruits	4
Rasmussen, Anders, New Albany	5	Ornamentals	1/2
Rathburn, L. G., Orland, R. R. 1	112	Small fruits	$2\frac{1}{2}$
Reed's Nursery, Hanover, R. R. 1	24	General nursery stock	1/2
Rensch, Harley, Hamilton, R. R. 1	89	Strawberry plants	1/3
Rettic, W. D., South Bend	125	Ornamentals	2
Ridgeway Nursery, Borden, R. R. 2	13	Strawberry plants	1/2
Riverside Nursery, Berne, R. R. 1	. 39	General nursery stock	1
Roerk, F. M., Borden, R. R. 2	60.		5
Roerk, T. J., Borden, R. R. 3	19		1
Rogers, R. H., Grovertown, R. R. 1	109	Small fruits	5
Rogers, Sig, Bloomfield	49	Small fruits	3
Schleicher, John, Borden, R. R. 2 Schlichtenmyer, J. W., Brimfield, R. R. 1	11 87	Strawberry plants Strawberry plants	11/2
Schumaker, William A., Spencer	122	Peach trees and strawberry plants	1
Shields Brothers Nursery, Charlottesville	141	General nursery stock	1
Shields, Jesse, Portland, R. R. 4	31	Strawberry plants	1/8
Shinn, A. B., Warsaw	144	Ornamentals	1

INDIANA NURSERYMEN-1921-Continued

Name Town	Cert. No	. Kind of Certificate	Acres
Sloan, James M. and Sons, Washington, R.	R. 6 42	General nursery stock	5
Smith, J. E., Muncie	55	General nursery stock	1
Sroufe, C. H., Larwill, R. R. 1	154	Strawberry plants	. 1
Stiles, Edwin B., Martinsville, R. R. 6	56	Small fruits	3
Stout, Floyd H., Indianapolis, R. R. O	59	Small fruits	1
Stuckey, G. W., Bremen	80	General nursery stock	3/4
Sunrise Nursery, Bippus	131	Small fruits	1/4
Tate, Jacob and Sons, Mexico	185	Strawberry plants	1/4
Temperley's, Florists, Indianapolis	196	Greenhouse stock	25,000
			sq. ft. glass
Tharp, Lew, Kokomo, R. R. 1	103	Small fruits •	1/2
Thornburg, G. H., Evansville	29	Shade and ornamentals	4
Twin Cedar Nursery, New Salisbury, R. R.	1 25	General nursery stock	1/4
Vincennes Nursery, Vincennes	127	General nursery stock	100
Vore, G. W., Peru, R. R. 8	167	Strawberry plants	1
Wade, Morris, Borden, R. R. 1	171	Small fruits	21/4
Walton, Martin, Borden	21	Strawberry plants	3
Washington Nursery, Washington	147	General nursery stock	3
Waters, J. W., Fairmount, R. R. 2	152	General nursery stock	1/4
Weilbrenner, Carl, Mount Vernon	179	General nursery stock	. 2
Whicker, Otto, Amo	44	General nursery stock	1
White, Harry, North Manchester	79	Ornamentals	1/2
Wilkinson, J. F., Rockport	37	Nut trees	1
Williamson, E. B., Goshen, R. R. 1	160	Small fruits	$2\frac{1}{2}$
Wilson's Nursery, Elnora	187	Small fruits	3
Wright Brothers, Borden, R. R. 1	178	Strawberry plants	3

IMPORT INSPECTION

While inspecting some seedling stock shipped from France last spring, to one of the Indiana nurserymen, the inspectors found eleven brown tail moth nests. This was probably the most seriously infested shipment which had come into the United States during the past four or five years. We notified the Federal Horticultural Board and they soon issued some drastic orders to the foreign growers in regard to the condition of the stock coming into this country. The finding of this infestation on seedlings taught us that we can never release our vigilance in regard to the inspection of all foreign stock; for, should one of these infestations ever break out in the state the cost of eradicating it would be many times the expense of the inspection for all the years this office has been in existence.

It seems that the American grown seedling stock is not so good for budding or grafting as that grown in Europe. While some seedlings have been grown in this country they have not been produced in anyways near sufficient quantities. The nurserymen are willing to pay more for the foreign stock because it will produce a higher percentage of good trees. They claim that foreign stock buds and grafts more readily than the American grown seedlings. Until we are able to grow better stock in the United States, and in larger quantities, it will be necessary to import this seedling stock so that the nurseries can propagate fruit trees in sufficient quantities to meet the demand of the fruit growers and the farmers.

GREENHOUSE INSPECTION IN INDIANA

Harry F. Dietz

Indiana ranks seventh among the commercial flower growing states of the Union. It is surpassed in this industry by New York, Pennsylvania, New Jersey, Illinois, Massachusetts and Ohio. Outbreaks of serious greenhouse insects, especially in the large flower growing states, have from time to time turned the attention of entomologists as a whole to the problems of the florists. Some interest has also been aroused among the state nursery inspectors regarding the inspection and certification of plants grown under glass as a means of checking the spread of dangerous insects and plant diseases. However, in looking over the nursery inspection laws of the several states, I find that in the laws of only two states, namely California and Texas, is the inspection of greenhouse plants mentioned specifically. On the other hand a number of states, namely Arizona, Colorado, Idaho, Montana, New York, Oregon, Utah, Washington and the Dominion of Canada have what is known as terminal inspection. In states having terminal inspection all plants coming in from other states, irrespective of whether they bear certificates of inspection of the state from which they came, are inspected at certain specified places or at their destination.

At the present time there is no uniformity in the laws of the several states regarding the inspection and certification of greenhouse stock. As a result there is nothing in the laws of most states that will protect the buyer of plants grown under glass from receiving stock infested with injurious insects or plant diseases, except the contract he may have with the man from whom he is buying. Ultimately, more or less uniform inspection of greenhouse grown stock will come to pass throughout the country. All the large growers and distributors of greenhouse plants in Indiana want their stock inspected for a twofold reason (1) the inspection certificate serves as a mark of the quality of their plants especially as regards freedom from new or injurious insects or diseases, (2) problems of insect and disease control are discussed with the inspector and the grower is thus kept in touch with the most recent and practical methods. The percentage of florists holding inspection certificates in Indiana is small and most of the inspection work that has been done during the past year has been for the purpose of determining what insects and diseases are causing the most trouble in the state and advising the most effective methods of control.

Seventy-six greenhouses have been visited and inspected during the past year. _Whitefly was found in thirty-two greenhouses, red spider was generally present, though in only twelve cases was it proving to be a serious pest. Greenhouse leaf-tyer was abundant in certain localities notably in the northeast and southwest corners of the state. This pest was also abundant in a few greenhouses in Indianapolis. Chrysanthemum midge was found in fifteen greenhouses though in most cases the infestation was light. Rose midge occurred in eight greenhouses. Strawberry root worm was found at five places. Mealy bugs, though very common throughout the greenhouses of the state, were found to be a really serious pest in only fifteen places. Another insect closely related to the mealy bugs, known as the greenhouse orthezia, has been found in three

greenhouses in Indianapolis and one at Logansport. Cyclamen mite has been found in twenty greenhouses scattered over the state and thrips has been observed in thirty-five different places. From the middle of September to the middle of October, 1921, a large number of calls were received from florists in Indianapolis regarding the invasion of their greenhouses by three pests from out-of-doors. These were the corn earworm, the cabbage looper and the yellow striped army worm. The first two mentioned pests have not previously been serious pests under glass in this state.

Among the most common plant diseases found were the stem and branch rot and root rot of carnation. But in only four cases had either of these diseases become a serious problem. Snapdragon rust was a serious disease in all but a few places where this plant was grown. In six greenhouses the rose cane blight was causing considerable loss. Black spot has been a serious rose disease throughout the state. A severe infection of crown gall on Ophelia was found in one greenhouse. Botrytis, a fungus about which florists have heard little, is a serious disease in this state attacking geraniums, begonias, cinerarias and chrysanthemums. It has been observed causing serious losses in twelve different greenhouses.

It will be noted from foregoing figures that no insect pest or plant disease is found to be a serious problem in all greenhouses. This is to be expected because not all greenhouses grow the same kinds of plants and not all growers use the same control methods. Again a month makes a great difference in the status of a given pest or disease at a given place.

A brief discussion of different insects and diseases which have proved serious in this state with the most practical control measures will not be out of place.

The greenhouse whitefly needs no description. As for control, I have found that one large grower of pelaragoniums in the northern part of the state uses hydrocyanic acid gas and has no trouble with this pest. Another large grower of this plant in the southwestern part of Indiana uses nicotine oleate, one fluid ounce to two gallons of water with good effect. The chief thing to be borne in mind is to do the work carefully and thoroughly. Furthermore, an infestation of whitefly should never be allowed to become heavy before control measures are undertaken.

Nicotine oleate is nothing more than nicotine soap and resembles some of the brown soft hand soaps on the market. It also resembles petroleum jelly. Nicotine oleate is prepared by mixing 1¾ parts of commercial or technical oleic acid or "red oil" with 2½ parts of nico fume liquid. Being a soap, difficulty is sometimes experienced in getting this preparation to mix with hard water. Therefore it is desirable to use nicotine oleate with soft water.

Red spider can be and is being controlled by various growers by heavy syringing of the plants with water under pressure. Other growers use a weak salt solution for this pest, especially on carnations. But the use of salt solution has a serious objection, namely that it causes the iron work of the supports and benches and the heating pipes to

rust out prematurely. Nicotine oleate spray as recommended for the whitefly has also been used effectively.

The greenhouse leaf-tyer is a translucent pale green caterpillar about three-fourths inch long when full grown. This caterpillar feeds entirely on the undersides of single leaves and the upper epidermis or skin of the leaf is left untouched. Often several leaves are webbed together, in which case the upper surface is eaten and the lower epidermis is left intact. The moth or "miller" that lays the eggs from which the caterpillars hatch is about one-half inch long and about the same width when at rest. Its color is a rusty brown obscurely marked with black. These "millers" may often be seen darting in and out among infested plants during the daytime or fluttering about in numbers near the glass at dusk. Killing these "millers" with fly swatters and trap lights is of some value as a control but keeping plants subject to attack sprayed with arsenate of lead at the rate of one ounce to one gallon of water to which one ounce of cheap laundry or fish oil soap has been added is the most practical control measure. This method of control has been used on chrysanthemums, sweet peas, cinerarias, primulas, feverfew, marguerite daisies, geraniums, pelargonium and salvia. One important thing to remember in the control of this insect is that the spray must be put on the under sides of the leaves. This can be accomplished by the use of an angle nozzle on the spray pump.

Most Indiana florists have become acquainted with the chrysanthemum midge, or gall fly, and through the efforts of the Division of Entomology have learned to recognize this pest. A number of infestations of greenhouses free from this insect have been avoided because the growers have recognized the characteristic galls on the leaves of plants they had bought and have discarded or returned the infested stock. The control of this pest is now quite simple and consists of spraying the plants with Black Leaf 40, one part to five hundred parts of water, and fish oil soap one ounce per gallon of water or nicotine oleate one fluid ounce to two gallons of water. Spraying should begin from six to eight weeks before cuttings are to be made and the spraying should be done twice a week.

Previous to 1920 only three infestations of the strawberry root worm were found in Indiana. This year two new infestations have been found. both of which were unquestionably the result of the shipment of infested plants into Indiana from the east. It will pay Indiana rose growers to be on the alert and watch for this pest. The adult is a "hard shelled" beetle about one-sixth inch long and oval in shape. It varies in color from shiny black to chestnut-brown with four black spots. These beetles are shy insects and during the daytime they hide among the leaves, or in developing buds. They feed largely at night or on cloudy days chewing small chain-like holes through the young leaves or chewing the bark off of the new shoots. No simple effective control for this pest has as yet been found. Arsenical sprays or dusts have not been successful because the adults feed only on the youngest growth and refuse to eat any foliage that has been treated. Handpicking the adults in the late afternoon and early morning has given fair control in three greenhouses. The season at which this can best be done is just as the plants are breaking into growth after their summer resting period. The removal of all the soil from the benches of infested greenhouses during the summer resting period is the most certain, but at the same time most drastic control. In this case the walks must be treated with a strong contact insecticide such as kerosene emulsion. The removal of from two to three inches of the top soil from the benches of infested houses during the summer resting period of the plants has helped to materially reduce infestations. This is due to the fact that the larvae of this insect are removed with such soil. This treatment must be coupled with hand-picking in order to prevent the reinfestation of the new soil put around the plants.

Practically every rose grower in Indiana who has grown the variety Ophelia has had trouble with rose midge. This pest has forced several growers in this state to discontinue the growing of roses. Other growers following the control measures given below have been able to hold this pest in check and in a number of instances to eradicate it from their houses. Though this insect has been known since 1887 its outbreaks in this country have been more or less sporadic and its spread has taken place through the distribution of favorite food plants, like Ophelia. There are on the market today a number of varieties of Ophelia parentage that show the same susceptibility to the attacks of this insect so that it will pay Indiana rose growers to be careful where they buy plants and not introduce midge into clean houses. The control of this pest is nightly fumigation with nicotine papers or tobacco stems over a period of two to three weeks and keeping the benches covered with one-fourth to one-half inch of tobacco dust during the period of fumigation. The walks and the soil beneath benches must be sprayed with a strong contact insecticide like kerosene emulsion. The dust must be renewed as it becomes wet. If tobacco stems are used for fumigation the florist must be sure that all the nicotine has not been leached out. Another point to be borne in mind is that no deviation from the control recommended will do. Fumigating every other night or two times a week will not give results because it allows adults to emerge and lay eggs on the nights that fumigation is omitted. The omission of the use of tobacco dust entirely or from certain benches in an infested house allows many maggets to enter the ground and complete their development, thus drawing out the time fumigation must be carried on. Daily picking of infested shoots and buds and burning them is a big help in reducing an infestation, but will not in itself control this pest.

In the control of mealy bugs, and the greenhouse orthezia, nicotine oleate, one fluid ounce to two gallons of water, is a good control. The greenhouse orthezia differs from the mealy bugs in that the white waxy covering is brittle instead of soft and sticks out around the margin of the body in beautiful design and is especially long at the posterior end. The center of the body is an olive green. The legs are much longer than those of the mealy bugs. This insect is a serious pest of coleus, verbena and acalypha.

During the last two weeks of September and the first two weeks of October some out-of-door insects invaded greenhouses and caused considerable damage. The insects were the cabbage looper, the corn earworm and the yellow striped army worm. These are all caterpillars. The cabbage looper is a pale green "measuring worm" about one inch long. It has done considerable damage to the foliage of chrysanthemum and calendulas. The corn ear-worm found in greenhouses have varied in size from one-sixteenth of an inch to one and one-half inches long. As they grow larger and shed their skins several times the color begins to vary from reddish brown to green and the markings vary from very prominent stripes of brown, black and green to very indistinct ones. Likewise the prominence of the hairs varies in different individuals. These caterpillars show a decided preference for the buds and flowers of plants and the chief damage done in the greenhouse has been to the buds of chrysanthemum, rose and carnation and to geranium stock plants. In certain varieties of mums from 40 to 90 per cent of the buds that had been "taken" were destroyed by the newly hatched caterpillars before the insects were discovered. On roses 10 to 15 per cent of the buds were injured, the injury resembling that of the rose bud-moth. carnations about 15 to 25 per cent of the buds have been found damaged mostly by the larger caterpillars. The crowns of the plants were badly damaged in some cases. On geranium stock plants the stalks were tunnelled and the plants ruined. This injury took place largely in the field.

The yellow striped army worm is a caterpillar one and one-half inches long when full grown. The color pattern is of two sorts, one is velvety black above and reddish brown beneath with two prominent and many fine bright yellow lines on the side. The other is a reddish gray with the back marked with a pair of triangular black spots on each segment. The lateral markings are indistinct. The chief damage of this caterpillar has been to carnations and pansies in cold frames. The damage is typical of that of a cutworm and all florists to whom I have talked have referred to this caterpillar as a cutworm. Both the corn ear-worm and the yellow striped army worm belong to the cutworm moth family.

For the control of the cabbage looper and the corn ear-worm spraying the plants with arsenate of lead, one ounce; cheap laundry or fish oil soap, one ounce, and water, one gallon, is recommended. However, a number of florists object to the white deposit left by this spray, especially on early flowering varieties. In this case arsenate of lead, one part, and cheap flour, one part, can be dusted on the plants. The dust can be syringed off the plants at will. In either case special attention should be given to get the buds thoroughly sprayed or dusted. Handpicking, especially on small beds, will be beneficial. The same control can be used on the yellow striped army worm, especially where this insect occurs along with the other two. However, where the yellow striped army worm occurs alone handpicking in the very late afternoon may be done or poisoned bran mash may be used. This mash is made as follows:

Bran	• • • • • • • • • • • • • • • • • • • •	5 r	ounds
Paris	green	1/4 1	ound
Cheap	molasses	1)	pint
Lemon	***************************************	1 f	iruit
Water	***************************************	3/4 8	gallon

The dry bran and paris green are thoroughly mixed together in a tub or large bucket. The lemon juice is squeezed into the water, the pulp and peel of the fruit is finely chopped and mixed with the bran, the molasses is added to the water and the bran is moistened with this water just enough so that it is not sloppy. A small quantity of this bait is placed among the infested plants in the late afternoon and the worms will feed on it in preference to the plants.

The cyclamen mite is a comparatively new pest in this state but a very serious one. Its chief injury has been to cyclamen, geraniums, stevia and Chatelaine begonias. This injury consists in a malformation and dwarfing of the injured parts of the plants. The pest is not an insect but like the red spider is a mite and therefore belongs to the spider family. As a control, nicotine oleate and tobacco dust have given fair success.

Thrips, though not a dreaded pest by the florist, have been the cause of considerable losses to the growers of cyclamen and in some cases the damage to these plants credited to the cyclamen mite by the grower was actually caused by thrips. The use of nicotine sprays or fumigation with tobacco papers are the best control for these insects.

On the whole far less is known about the diseases of greenhouse plants than about greenhouse insects. Cultural practices probably play a more important role in control of plant diseases than in the control of insects. Yet when a disease becomes established it can rarely be controlled by cultural practices such as watering, ventilation and heat alone.

In the case of carnation root rot and stem and branch rot the use of sterilized soil in the benches will keep the disease in check provided the plants have not become infected in the field. In order to reduce the chances for field infection to a minimum it is not a wise practice to grow plants in the same location year after year, and in fields where any great number of plants show infection planting should be discontinued for at least five years.

Snapdragon rust can best be controlled by growing plants from seed and then planting these seedlings in houses where snapdragons have not previously been grown. One thing that many florists do not comprehend about this disease is that cuttings from infested plants will yield only plants that will sooner or later become rusted. In a number of cases I have found that seedlings planted in houses where previously heavily rusted plants had been grown also contracted the disease probably because the spores had carried over on the benches, on the glass, or on the walls of the houses.

Rose cane blight is caused by the same fungus that causes the cane blight on raspberry. This disease causes a die back of the wood and often follows in after a flower has been cut off or a plant has been pruned. Many florists think it is a natural result of pruning until a whole plant is killed. The only control is the vigorous cutting out and burning of the diseased wood at least three or four inches below the point where the disease is visible. The sterilization of the pruning shears with formaldehyde after each cut is important. Under no con-

ditions should dead wood be cut from a plant and the same shears be used to trim healthy plants before these tools have been sterilized. This is the way that the disease is often spread, especially when the plants are being cut back for the summer resting period. Spraying infested plants with Bordeaux mixture often keeps this disease from spreading.

Black spot is the most prevalent and troublesome rose disease in Indiana greenhouses. Whenever growing roses receive a check this disease usually develops and once it gets a start is very hard to control. Spraying the plants with Bordeaux mixture or commercial lime-sulphur solution, one gallon to fifty gallons of water, is the best spray to use. Dusting the plants with finely divided sulphur, ninety parts, and arsenate of lead, ten parts, has been recommended. Collecting and burning the characteristically spotted leaves that have fallen from the plants is a big help in the control. Keeping the plants moderately dry is also desirable, but care must be taken not to dry them too much.

Crown gall is a warty knot at the crown of the plant. It is a serious disease of apple and red raspberry nursery stock although its attacks are by no means confined to these two hosts. Recent observations indicate that certain varieties of roses, particularly Ophelia, are very susceptible to this disease. While it does not kill the plants outright the galls, especially when they are large ones, seriously interfere with the normal flow of sap so that the plants neither grow nor flower as they should. In other words, the plants are always "checked." There is no control for this trouble except discarding all plants that are infected.

Botrytis is a serious disease that does a lot of damage which the florist blames on a lack of ventilation, etc. It causes a rotting of the leaves and flowers of geraniums, begonias, cinerarias and chrysanthemums when the plants are crowded together. The dead areas soon become covered with a fuzzy grey mould which is just one mass of spores which help spread the disease. Plenty of ventilation and spraying with Bordeaux mixture or ammoniacal copper carbonate will hold this disease in check. Ammoniacal copper carbonate has the advantage that it leaves no deposit on the foliage and is prepared as follows:

Copper carbonate	5 ounces
Ammonia (26° Baume)	3 pints
Water	50 gallons

The time has come in the florist business when the grower must give as much attention to the insects and diseases that attack his plants as to the culture of his crop. The reason for this is that as a country grows older its insect pests and plant diseases increase. New pests are brought in through commerce and native pests often assume new roles. I cannot think of a plant that is entirely free from the attacks of some insect pest or plant disease. Therefore, it behooves the grower of plants under glass to keep his eyes open and when he sees his plants injured or dying to find out what is injuring them or causing them to die. Blaming the culture given the plants is not enough, although this may be a factor. Eternal vigilance and the prompt use of the spray pump is the price of success in the greenhouse as well as on the farm and in the orchard.

CHINCH BUGS

The chinch bug situation appears serious for 1922. In a few counties the first brood caused some damage this year but it was not excessive. The second brood damaged the brace roots on the corn and it lodged badly and made wheat sowing a heavy task. This second brood apparently was free from disease and it is this disease that usually holds the chinch bugs in check. They are going into winter quarters in greater numbers than they have in many years and unless we have weather which will kill them we will have hordes of these pests in our wheat fields next year.

This winter fence rows and ditch banks should be burned over so as to destroy the places where they hibernate. Corn which is shocked in fields sown to wheat should be fed to stock before spring opens. The farmers will have no trouble in seeing these bugs, if there are any, by moving a few of the shocks.

The wheat fields should be examined before harvest time so that the farmers can be prepared to fight the pests after the wheat is harvested. When the bugs are in the wheat there is only one way to keep them out of the corn fields and that is by placing a barrier between the wheat and the corn. This can be done either with creosote oil or crude oil. If creosote oil is used it must be on hand in time to lay the barrier before the bugs get to the corn. Creosote oil usually must be shipped and you must see that some dealer in your community handles it or you must send away and get it in time. Crude oil makes an excellent barrier if poured on straw. The straw should be laid out in a strip about three or four inches wide and about two inches high and the oil poured on this. As long as the oil stays fresh on the straw the chinch bugs cannot cross it. This method gave excellent results in Indiana this year.

TAKE-ALL

In 1919 a quarantine was placed upon some farms in Porter, La-Porte and Tippecanoe counties, on account of the appearance of a disease in the wheat fields which at that time was thought to be Australian Take-All. This quarantine prohibited the growing of all small grains for a period of five years on those fields where the disease was present. This fall we were able to secure a modification of the quarantine sc as to permit the sowing of certain varieties of wheat in the quarantined area. The government had a list of thirty-nine varieties which are supposed to be resistant to this disease and as this list contains some of the bestknown varieties of wheat for the state it will cause no hardship for the growers to be limited to this list in their wheat planting. As a matter of fact it would be advisable if the wheat growers in that entire section would sow only the varieties which are listed in this, with the exception of "Red Wave." This should not have been mentioned in this list as it is not a variety of wheat which can be used by the millers and it should not be grown in Indiana. The varieties in this list which are the most valuable for northern Indiana are being studied by the experiment station at Purdue University, and I should like to recommend that all farmers, and especially those in the communities where the Take-All disease was found, limit their sowings to varieties in this

list and that they consult their county agent in regard to the best of the listed varieties for their neighborhood. Kanred is a variety which has received much favorable comment and this may be one of the best for our use.

I am publishing the letter I received from Mr. W. A. Orton, acting chairman of the Federal Horticultural Board, so as to show the authority under which the Conservation Commission lifted the quarantine which it placed on the fields infested with Take-All in 1919. We agreed at that time to place local guarantines on this ground for five years if the Federal Horticultural Board would not issue a state-wide quarantine on our small grains. In December, 1920, the Federal Horticultural Board gave me permission to permit farmers to sow oats and rye on this quarantined area so that they could rotate their crops. Now, with the permission to sow wheat, the quarantine is lifted except that the farms in the quarantined area are limited to the list of varieties which the Federal Horticultural Board has specified. From time to time I presume the Board will add to this list of varieties as rapidly as it finds others that are resistant to the disease.

"UNITED STATES DEPARTMENT OF AGRICULTURE FEDERAL HORTICULTURAL BOARD

Washington, D. C., August 25, 1921.

Mr. Frank N. Wallace,

State Entomologist,

The Department of Conservation,

Indianapolis, Indiana.

Dear Mr. Wallace:

Your letter of August 12, regarding the modification of the Indiana quarantine on account of the take-all disease, has been received and referred to the Bureau of Plant Industry for consideration.

It appears from the records of the experimental work of the Bureau of Plant Industry that a considerable number of wheat varieties are recognized as highly resistant or perhaps immune to take-all, and accordingly there appears to be no objection to modifying the quarantine, permitting the planting in the quarantined area of wheat of any of the following varieties:

Bologline Dietz Longberry Fultz Gold Coin Harvest King Jones Fife Leap Mediterranean Nigger Crimean Early May

Gipsy Grandprize Hungarian Kanred Malakof Michigan Amber Pesterboden Currell Fulcaster

Gladden Harvest Queen Indiana Swamp Kharkof Mammoth Red Minnesota Reliable Poole Portage Red Rock Rudv Trumbull Pride of Indiana Red Wave

Stoner (Marvelous)

Turkey Red Cross (red-chaffed)

Reliable

Super (Burbank's) Wheedling

In view of this evidence submitted by the Bureau of Plant Industry, the Board would suggest the modification of your quarantine by extending permission to plant wheat of these varieties rather than to withdraw the quarantine entirely. Since the number of varieties that are resistant is rather extensive, and there seems to be no especial hardship in maintaining this restriction, I presume that this will furnish sufficient leniency to avoid serious trouble in continuing the quarantine against unknown types of wheat.

Very truly yours,

(Signed) W. A. ORTON, Acting Chairman, Federal Horticultural Board." The Federal Horticultural Board was well pleased with the manner in which Indiana handled the Take-All situation and I do not believe that Indiana need ever fear of having a state-wide quarantine placed as long as the state is willing and able to handle an emergency in the manner the Take-All situation was handled in Indiana.

EUROPEAN CORN BORER

The European Corn Borer, Pyrausta nubilalis, has attracted widespread attention. Last year I reported that territory was found infested in southern Canada along the shores of Lake Erie. This year the government and state inspectors discovered a light infestation scattered along the southern shore of Lake Erie and in September a few of the corn borer larva were found in the southwestern part of Michigan along the lake shore. The Federal Horticultural Board called a hearing in Washington, when this new territory was discovered, to consider the advisability of placing a regional quarantine which would take in a large group of the northeastern states. The idea was to prohibit the shipment of corn and any other grains or vegetables which might be carriers of the pest out of the quarantined territory, with the hope of confining the corn borer within the states which were quarantined. Indiana was listed as one of the states which might be so quarantined. In the government reports it was stated that the corn borer was within six miles of the Indiana line and for that reason Indiana received notice that a representative should appear at the hearing. We were able to show the authorities at Washington that it was an error on their part when they stated the corn borer was within six miles of the Indiana line. It was at least sixty miles away from the state line and at the hearing the board took under advisement the question as to how the quarantine should be handled but stated definitely that Indiana would not be included in the quarantined area. It was the consensus of opinion of those present at the hearing that a large quarantined area would not accomplish the best results in the control of this pest. The Federal Horticultural Board had been able, with the local quarantines which are at present in force, to prevent any widespread distribution of this pest and it seemed advisable to continue the quarantine along these lines until such time as the government and the states, working in cooperation, could study methods of control and possibly introduce parasites to partially control this pest. There is no doubt but what this will be a serious pest in the corn growing states and every year that it can be delayed in reaching the corn belt will be of great advantage. It appears that the natural spread of this insect is approximately five miles per year. If the Ohio infestation can be held to this natural spread it will be several years before it gets over the water shed in Ohio so that the insect could be spread by the streams. There is no doubt that during flood time this insect would be carried long distances in corn stalks in flooded streams and it will be impossible to prevent the spread of this pest over in the Ohio valley when once a serious infestation becomes established along the streams which flow into the Ohio river.

At the hearing in Washington the delegates of the states represented met and commended the Federal Horticultural Board for the

efficient manner in which the work of controlling the European Corn Borer had been handled and unanimously adopted the following resolutions:

Resolved: That this conference, after due consideration, affirms its belief that federal quarantine measures for preventing spread of the European Corn Borer should be continued substantially as in the past season, on the basis of holding the pest as closely as possible to the area actually known to be infested.

The following resolution was proposed and was adopted unanimously:

Resolved: That Congress be asked for the sum of \$275,000 for the purpose of carrying out the above program for the current fiscal year.

I sincerely hope that the appropriation bill in Congress will carry this item in full. It would be folly to expect a lower appropriation to carry on this work when the infested area is increasing each year.

Many citizens imagined that the European Corn Borer was present in Indiana this year. It has never been found in the state. The Corn Ear Worm was mistaken for the Corn Borer as the Corn Ear Worm was very destructive this year, due to its having three broods whereas in most years it has been limited to two broods. The Corn Ear Worm is described in a separate paragraph in this report.

CORN EAR WORM

The corn ear worm is one of our native insects which has been principally a pest of corn in this state in former years. It is true that it has attacked other crops but at least 90 per cent of its damage has been done to corn in previous years. It has been here so long and the damage so constant that it has been accepted by farmers and gardeners as one of the conditions to be expected. But the year 1921 was different from other years. The damage from the corn ear worm was so excessive that it is not easy to figure the amount of loss to the crops but in Indiana alone it will run into millions of dollars from this one pest.

A study of the life history of this pest will enable us to see why this damage became so serious this year. Normally there are two broods of the insect in this state. The insect winters as a pupa in the soil and emerges in the spring and lays its eggs. Each female lays on an average of six hundred eggs. There are not many parasites of this pest and a large number of the larvae mature. The second generation is much more numerous than the first and naturally does much more damage. This second generation is the one that the housewife finds in the sugar corn and it also does the damage that farmers notice in the field corn. This year, however, the warm period early in the spring caused the moths to emerge much sooner than usual and the first generation came along four or five weeks ahead of the growing season for corn. The farmers could not plant corn any earlier this year and in fact it was planted a little later than it is commonly planted. The second

generation of the corn ear worm developed a little later than the first brood comes, in normal seasons, but about two hundred times as numerous. We expected that this would be all, but we found that this broad seemed to hasten its development and instead of wintering over as pupae. as is normal with the pest, they emerged and a full third brood of the worms came in time for most of them to work on the field corn and late sweet corn. I believe it would be safe to estimate that there were several hundred times as many of these larvae as we have ever had before and they attacked not only corn but almost all crops. We found them feeding on weeds where there were no field crops. They also entered most of the greenhouses of the state and in many instances destroyed 30 to 50 per cent of the chrysanthemum and carnation buds before the owners discovered that they had a new pest to combat. They did control them, as it is possible to do this in any intensively cultivated area. However, it is not practical to do this with the corn crop and the farmers had to suffer. The worms eating in the ears of corn will cause much of it to mould and the elevators will be unable to secure much No. 2 corn.

Just what result this enormous brood will have on next season's crop will be impossible to foretell. It seems that nature always sets up a balance somehow and we may not have any more trouble next season than we have had in years previous to 1921.

HOUSEHOLD INSECTS

From the number of inquiries coming into the office in regard to the control of household pests I am often inclined to believe that these insect enemies are becoming more numerous. The fleas and the cockroaches seem to be about equally divided in regard to the number of calls for assistance. However, the plea for help from the flea-infested house is much more urgent than in regard to the roaches. The person who has never seen a severe infestation of fleas in a dwelling cannot realize how serious such a pest can become, and usually one infestation is enough for people to realize that cats and dogs must be kept free from fleas or kept out of the house. In every case which came to the attention of the office this season we found either a cat or a dog to be responsible for the trouble.

The adult fleas live on the animals and the eggs are usually laid on the animals, loosely in the hair. These eggs drop to the floor, rugs, and bedding of the animals. The larvae hatch and live in the cracks of the floor, feeding on the dust which collects there. They also live in the nap of the rugs or in the bedding of the animals. In fact, the bedding of an infested animal often becomes a mass of wiggling larvae which are frequently mistaken for fly larvae or "maggots." When the larvae become full grown they form a pupae from which the mature flea emerges. These adult fleas must have a meal of blood from some animal before they can lay eggs and quite often a human furnishes that meal of blood.

When fleas are found in a house get the cat or dog outside and keep them out. Then mop the floors with a five per cent solution of one of the Cresol preparations which can be bought at any drug store. The rugs should be cleaned with a vacuum cleaner or taken out and beaten. The vacuum cleaner should be run over all the floors as this will pick up many adult fleas as well as the larvae and eggs. Many cellars become infested, when the animals are allowed to use the basements, and these should be mopped or sprayed with the Cresol solution.

If the house could be closed for twenty-four hours napthalene flakes can be used, at the rate of five pounds per room, scattered over the floors and this will kill adults and larvae but the odor is too strong for one to stay in the house while it is used. However, it is about the most effective method which can be applied and the odor soon leaves after the napthalene flakes are cleaned out of the house.

Dogs may be freed of fleas by bathing them in a three per cent solution of some Cresol preparation. To make such a solution add four tablespoonfuls of the preparation to a gallon of water. It is usually not advisable to bathe cats. These animals should be dusted with pyrethrum powder. This powder when fresh will kill some of the fleas and stupefy the rest so that they fall from the animals. The animals should be dusted over a newspaper which should be burned after the fleas have fallen from their host.

Cockroaches, in flats, are becoming very common and they cannot be exterminated unless all the tenants make an effort to clean up. Sodium fluorid dusted around all the cracks which the roaches can use acts as a repellant and is also a poison. However, these pests breed in the basement and keep coming up along the pipes into the apartments so that the sodium fluorid must be constantly used.

Clothes moths, the buffalo moths, and carpet beetles are becoming very common and cause much damage to wool and silk garments. There are many repellants but most of these only serve to keep the adult moths and beetles away from the garments. If the eggs are on the garments the larvae can still live and eat holes even though such chemicals as moth balls and napthalene flakes are used as repellants. Where the larvae are present it is advisable to fumigate with carbon-bisulphide, using one pound of the liquid to one hundred cubic feet of space. It must be used in a tight box or closet so that the fumes are confined for at least twenty-four hours. The temperature should not fall below seventy degrees Fahrenheit during the period of fumigation. Lights or fires must not be near the gas as it is very inflammable.

Bedbugs have been a source of considerable annoyance to housewives in Indianapolis. The most practical control for these insects is gasoline. The seams and buttons on the mattresses should be carefully treated and all cracks and crevices of the bedstead should be flooded with this substance. Several cases were brought to the attention of this office where this pest had gotten into cracks of the floor, beneath the baseboards, behind the door casings and around the moldings. Under such conditions flooding these hiding places with gasoline, at intervals of a week, will get rid of the infestation after the second or third application.

Numerous calls have been received during the past summer for aid in eradicating ants from houses. Several species of ants are involved, the most common being the garden or corn field ant, and the little red ant. Both of these ants will take poisoned syrups and can be controlled by the

following mixture:

Tartar	emetic	 	 	 	 									 	 ٠.	 · 1	part	
Sugar		 	 	 	 					 				 	 	10	parts	,
Water				 						 						100	narts	

The sugar and water should be boiled together to make a syrup and the tartar emetic then added. A small quantity of the mixture should be placed in a shallow dish so that the ants can get it. Placing a piece of sponge in the dish so that it will come in contact with the side allows the ants more easy access to the liquid. The dish should be set in locations where the ants are most abundant in order that they can find it readily. It should be remembered that tartar emetic is a poison and children and domestic animals must not be allowed access to it.

To keep ants off of tables, or out of ice boxes or kitchen cabinets, place the casters or legs of such furniture in a small container filled with water which has been covered with a film of kerosene or light machine oil. The furniture thus protected must not be allowed to come into contact with the wall or unprotected furniture.

In the case of the garden ant the insect can often be traced to its nest out-of-doors. This nest can then be destroyed by taking a sharp stick and driving it into the nest at several places and as it is withdrawn pouring into the holes either hot water or a small quantity of carbon bisulphide. Where carbon bisulphide is used the holes should be plugged up with moist earth or the nest covered with wet burlap. Since carbon bisulphide is inflammable lights and flames of all kinds must be kept away from it.

APIARY INSPECTION

The season of 1921 has been the most successful for the apiary inspection work since this office has been in existence. More apiaries were inspected, more county beekeepers' tours were held, and more demonstration meetings were attended than in any previous season. When the year's work was tabulated it showed that less foulbrood was present in the state than last year in spite of the fact that the adverse weather conditions last spring were most conducive to the spread of bee diseases. It is very gratifying to note that the bee diseases are gradually losing their hold in counties where it seemed impossible to stamp them out. We know now that it is possible to so nearly eradicate the diseases that they will cease to be a serious menace to successful beekeeping. Several years ago many of our best beekeepers said they did not believe it would ever be possible to control the bee diseases so that beekeeping would continue to be a profitable vocation. We believe that the past four years' inspection service has demonstrated that it is practicable to clean a territory of foulbrood and to keep it clean.

During the coming season it will be possible for us to assign an inspector to a limited territory and have him revisit the yards where foulbrood was previously found to see that it has been properly treated. This year in some of the counties we found less than two per cent of the colonies infected with foulbrood, while in these same counties four years ago the average infection was over twenty per cent.

One of the most gratifying results of the apiary inspection work has been the improvement shown in the methods of beekeeping in the state. In former years we had only a few first-class beekeepers who could produce a high quality of honey in large quantities; now we have hundreds. Many of these keep bees as a hobby or a side line to their regular work, but they are able to handle large yards and many of them are gradually expanding into the "big beekeeping class." It is most pleasing to see the high quality of Indiana honey for sale in many parts of the state and our citizens are discriminating enough to realize that honey produced here is equal in quality to any other and is superior to most of the honey that is shipped into the state. Much of the credit for the high standard of beekeeping in Indiana is due to the efficiency of our inspection force. They are very capable and conscientious bee men and we are fortunate in being able to keep such men with us.

To illustrate how the work has shown a progressive cleanup, the office records of a few counties were taken for the past four years. In Lake county in 1918 we inspected 775 colonies of bees. One hundred seventy-nine, or 23.09%, of these were diseased with American or European foulbrood. In 1919 we inspected 697 colonies and 99, or 14.1%, were found diseased. In 1920 the inspectors examined 958 colonies and 41, or 4.27%, were diseased. This season the work was very thorough and 1,227 colonies were inspected and only 24, or 1.9%, were found diseased. Lake county beekeepers know that the brood diseases can be controlled although four years ago some of them were skeptical as to what the result would be.

In Newton county in 1918 there were 677 colonies inspected with 153, or 22.6%, diseased with foulbrood. In 1919, of the 663 colonies inspected 70, or 10.5%, were diseased. In 1920 there were 598 colonies inspected and 26, or 4.34%, were diseased. This season 619 colonies were inspected and only 18, or 2.8%, were found diseased. It is interesting to note the gradual lowering of the number of cases each year. We hope to be able to actually clean up all traces of diseases in these counties in 1922 and if the beekeepers are vigilant, and will watch to catch the first case of foulbrood that should appear, there will be no fear of the disease ever becoming the scourge that it was in the two counties above mentioned. The state, as a whole, is not so clean as the two counties cited but much of it is equally free from disease. It is interesting to note the results of the inspection over the entire state and to see the gradual decline in brood diseases over a period of four years.

191814,431	colonies	inspected,	with	14.9%	diseased
191919,245	colonies	inspected,	with	9.6%	diseased
192018,454	colonies	inspected,	with	6.4%	diseased
192120,426	colonies	inspected,	with	4.6%	diseased

BEE INSPECTION RECORD FOR THE SEASON 1921

Number of yards visited	2,230
Number of colonies inspected	20,426
Number of dead colonies	652
Number American foulbrood	895
Number European foulbrood	155
Paralysis	22
Sac brood	34
Box hives	864
Cross combs	1,112
Movable hives	18,450
Number of counties visited this year	54

REPORT OF THE DIVISION OF FORESTRY

(Being the Twenty-first Indiana Forestry Report)

CHAS. C. DEAM, State Forester.
MARY E. BASSETT, Stenographer.
L. E. DEAM, Supt. Clark County State Forest.

Forestry in Indiana during the yast year has made substantial progress but the imminent danger of a timber famine is not yet realized by the voters of the state. The timber supply of the United States is rapidly disappearing. The United States to be independent of foreign countries for a timber supply should at once dedicate enough acres to growing timber to supply the need of the nation. Indiana should volunteer her quota, as she had always done in emergencies of the past. There are thousands of acres of abandoned cleared land and native forests on hilly land in southern Indiana that should everlastingly be in forest. The thousands of acres of abandoned land in the hill country prove this statement. Just how many acres of Indiana should be devoted to timber growing is a matter of controversy, but that action should be taken at once to prevent the clearing of essentially forest land needs no debate. The essentially forest land of Indiana is owned in small parcels by individual owners who are not in a position to practice forestry. Hence, it clearly becomes the duty of the state to purchase and manage the essentially forest land of the state. In so doing we would only be following what many other states are doing.

In 1903 Indiana bought 2,000 acres of forest land at \$8.00 per acre. No additional purchase was made until this year, when 337 acres bordering the first purchase were bought. The last legislature generously increased the Governor's emergency fund for the purpose of buying additional forest land. In anticipation of such purchases a reconnoitering survey was made which shows that thousands of acres can yet be bought for \$8 to \$10 per acre. The price of the land is rapidly advancing in the hill country because the individual owners find that they can clear the land and make a profit on it for a few years or until it washes or erodes until it is abandoned as farm land. It is urged that the state purchase as soon as possible our essentially forest land, because after it is once cleared and farmed until it is no longer valuable for farming, it will cost more than the land was originally worth to get it back into forest.

Indiana need not and should not depend solely upon the hilly land for a timber supply. The greater part of the state is agricultural land, but it is believed that every farm of forty acres or more should have a woods the size of which may range as the value and topography of the land. A minimum of five to eight per cent of the total is suggested. The advantages of such a distribution of our forests need not be enumerated.

Ordinarily the farmer's woods is at the rear of the farm where the returns are the growth of timber only, granting that timber land should not be pastured. The proper place for a woods is about the farm buildings or at least on the windward side, unless the topography of

the farm makes it advisable to locate it elsewhere. So located it is worth two or three times as much as if it were on the back end of the farm. When a woods is located about the dwellings the owner receives not only the timber growth, but a woods so located adds to the beauty of the farm, and protects the buildings, orchard and stock from the winds and storms. Even the housewife appreciates the difference between a home located among trees and one exposed to dusty winds. A woods so located would afford the owner an opportunity to cut and haul his fuel wood at times which might otherwise be wasted.

If the farmer's woods is not so located it is advised to plant a woods about his buildings. In so doing he plants only the kind of trees that have a high value, and his woods will be free from trees of low value and weed trees. For this reason a planted forest will be far more remunerative than one that grows up like "Topsy." True the owner will not be able to reap much of a timber crop for many years, but in less than twenty-five years he will have an effective windbreak which is half of the value of a woodland. While he does not obtain timber value returns for several years, yet he is increasing the value of the farm by building up such a woodlot. The Division of Forestry is willing at all times to advise on such an undertaking, and plans in a few years to furnish at cost forest seedlings for such planting.

Farm land in Indiana has been assessed for taxation on a basis of its commercial value. The commercial value of the land, except its location, is determined by the profits that may be derived from it if devoted to general farming. Woodland has been assessed at a value which is obtained by adding to its value for farm land if cleared, the value of the standing timber. As a consequence the taxes on forest land is equal or nearly so to that of cleared land. Now land owners and foresters know that the profit of forest land is not equal to that of good farm Hence land owners must clear their land to realize a profit on their woodland. Now most farmers consider their woodland an integral part of their farm, and consider it as necessary to a farm as a barn lot or a yard about a home. Yet many land owners vociferously protesting have been compelled to clear or reduce the size of their woodland. In many instances owners have "cleaned up" their woods to let the grass grow in it so that they could pasture it, which in a few years means the same thing as clearing it.

Our last legislature made a study of this problem which resulted in the passage of a law which classifies woodland as forest land and assesses it at \$1.00 per acre. It must not be understood that this law subsidizes the growing of timber. It is a law only that recognizes the true value of a forest crop. This law will be the means of saving thousands of acres of woodland, distributed in all parts of the state. It appeals especially to owners of woodland on high priced land and to non-resident woodland owners. The passage of the law is not generally known to woodland owners, and for this reason a brief synopsis of the law is herewith given in order that woodland owners may know the salient features so they may decide whether or not they wish to classify their woodland as forest land.

The enacting clause and a brief synopsis are as follows:

"An Act to encourage timber production and to protect water sheds by classifying certain lands as forest lands; and prescribing a method of assessing lands thus classified for the purpose of taxation."

Sec. 1. States that both native and planted woodlands may be classified.

- Sec. 2. The minimum number of trees per acre for each class of forest land is prescribed. Briefly a planted forest is one which has been planted not farther than 8x8 feet apart, and has a good stand of trees remaining. A native forest must not contain open spaces. By open spaces is meant sky openings 8x8 feet, up through which a tree might grow. In the event that a woodland has such openings, nuts or seedlings must be planted in them. If a woodland is classified that does not meet the requirements, the owner promises to have trees in the open spaces within three years, and he must make an effort to do so both the first and second year.
- Sec. 3. Native and planted forests shall be assessed at one dollar per acre.
- Sec. 4. Prescribes procedure for the classification of woodlands. The area must be surveyed by the county surveyor and his notes must be inked on the blank furnished by the State Forester. Then the area must be appraised by the township assessor. Next the blanks must be sent to the State Forester for his approval. Before he can do this he must personally visit the woodland to determine if the stand of trees complies with the law. After the State Forester approves the blank it is filed with the county recorder and the State Forester notifies the county auditor that the land has been duly classified and to place the same on the duplicate at one dollar per acre.
- Sec. 5. Prescribes that the surveyor can not charge more than the legal rate.
- Sec. 6. Prescribes that the land shall be appraised at its cash value, the timber on the land not being considered in the appraisement.
- Sec. 7. Prescribes that the expense of the survey shall be paid by the applicant, and the appraisement by the county.
 - Sec. 8. Prescribes no area less than three acres can be classified.
 - Sec. 9. Prescribes that the classified land shall contain no building.
 - Sec. 10. Prescribes that the area can not be grazed.
- Sec. 11. Prescribes that the classification continues if the land is sold, etc.
- Sec. 12. Prescribes that the area shall be marked by four signs furnished by the Department of Conservation.
- Sec. 13. Prescribes that in the event that any mineral, oil, gas, stone or other mineral wealth the land may obtain is mined and sold the same shall be assessed.
- Sec. 14. The State Forester has the power to issue special permits for the management of such land.
- Sec. 15. It shall be the duty of the State Forester to duly inspect such land and make a report of such inspection with recommendations to the owner.
- Sec. 16. In the event the land is to be withdrawn from classification it is appraised in the same manner as it was when it was entered.

Sec. 17. Upon withdrawal the owner pays to the township, county and state pro rata the difference between the first and second appraisement if any.

Sec. 18. If the State Forester finds that the owner does not carry out the provisions of the act, and refuses to do so, the State Forester can withdraw the land from classification.

Sec. 19. The owner of classified land must make an annual report to the State Forester on a blank to be furnished by the State Forester.

It is to be noted that this law in no way interferes with the owner's management of his forest, except he can not graze it. He can cut timber when and as much as he pleases and any sizes he chooses. It is taken as an axiom in the management of an Indiana forest that you can cut when and as much as you choose, and the forest will renew itself if stock and fire are kept out of it.

Every forest in Indiana that has never been grazed will easily classify as forest land. In fact most of the well wooded forests that have been grazed more or less will also comply with the law. It is remarkable how soon a woodland will become well stocked with trees when stock and fire are kept out. However when a woods is so open that grass grows in it, forest seed can not get a hold and a wood's pasture will continue until the sod is broken up.

Persons who own prospective forest land should write the State Forester at once to inspect their woodland with a view of having it classified as forest land, and cease to pay the present rate of taxes, which is unjust for woodlands.

THE CLARK COUNTY STATE FOREST

The Clark County State Forest, formerly called the Forest Reserve, originally contained 2,000 acres, and is located about one mile northwest of Henryville. The purpose of the Forest Reserve was to ascertain by experiment the best species of forest trees to plant and how to manage our native woodlands. This was the first and wise step in the process of state owned forests.

The Clark County State Forest is bounded on the east end by a public road. On the north side it is bounded by a series of small farms which lie between it and an angling public road. These farms are from 40 to 160 rods in length. Four of the longer of these aggregating 337 acres have been bought, which gives a much needed outlet to the deep hollows of the west end of the forest. Practically all of the land purchased contains a good stand of white and black oak, some of which are already tie size.

During the summer of 1920 many of the scarlet and some of the black oak died in the southeast part of the forest. Early this spring it was decided to sell for ties all the dead trees from this area together with trees that did not give promise of growing into good timber. However, before the sale could be made, which requires sixty days' notice in state papers, the railroad at the forest quit buying ties, so the trees still stand, awaiting the time when there will be a market for ties. As a preliminary to the sale Professor Burr N. Prentice with the assistance of students from the Purdue School of Forestry marked the trees

for sale on about 150 acres, and the number of ties each tree would make. His tally shows 727 trees that should be cut with an estimated yield of 833 ties, 7x9; 842 ties, 6x8; 438 ties, 6x7; 152 ties, 5x6. In considering the yield of ties it should be remembered that the white oak and other valuable trees were not marked, and that practically every tree of any species that would make a tie was cut between 1906 and 1908.

FOREST PLANTING

The forest planting this year was governed in part by the nursery stock available for planting. Several of the species that were needed could not be obtained.

A study of the progress of the twenty-three species planted in the fifty-five experimental tracts show that the ash, white elm, and cotton-wood are not adapted to the "flats," and are dead or dying at the tops. The black walnut in all four of the tracts planted are dying at the tops. This condition obtains in both high and low ground. The soil in which these species are planted is that of old worn-out fields with a strata of shale close beneath the surface.

There is one tract on the forest that was planted to white pine in 1912, which gives great promise of success. Since a supply of white pine seedlings for planting could be obtained at a reasonable price, it was decided to underplant the ash, elm and walnut tracts so far as possible with white pine. Every tract on the forest was fully replanted this year. A few additional species were planted this year as an experiment, but in small numbers on account of the high price of the seedlings. The evergreens used were bought of the Michigan State Nursery. They were about three weeks in transit, and arrived in a very dried out condition. Practically none of the European larch lived. About 65 per cent of the jack pine lived. The white pine varied from twenty-five to seventy-five per cent. The seedlings in some boxes were much drier than those of others. It is estimated that about 60 per cent of the white pine lived. The white pine were a mixture of three-year-old seedlings, and three-year-old transplants that were in the transcript beds two years.

The number of seedlings planted direct to the field during the year was as follows:

417 ash; 930 catalpa; 92 cherry (wild); 58 locust; 681 larch; 282 oak (white); 545 oak (bur); 492 olive (Russian; 1,952 pine (jack); 327 red pine; 49,467 pine (white); 1,264 tulip; total number of seed and seedlings direct to the field, 61,104. In addition 9,172 sugar maple and 21,767 white pine were planted in the nursery. Grand total, 92,040.

NURSERY

The passage of the law to classify forest land, and the purchase of additional forest land, makes it imperative that a state nursery be developed to take care of the situation. Since money was not available to buy a good nursery site, the best site on the forest reserve was selected for a temporary nursery. A carload of tile was donated by the penal farm which were laid in the nursery site at considerable expense. Several hundred feet of beds three feet wide in which to sow conifer seed were made. The physical condition of the soil was improved by plowing under a thick coat of leaves, stable manure not being obtainable.

The nursery operations were limited on account of funds. Seven pounds of conifer seed were planted in the beds which were treated with formal-dehyde according to the orthodox formula. A poor germination of white pine was obtained but a good percentage of the red and Scotch pine. At the end of the season practically all of the white pine had damped off, and about 25 per cent of the red and Scotch pine lived. In addition five pounds of ginkgo seed were planted which gave a good germination.

Several small parcels of seed of shrubs and trees were collected in Indiana on field trips which were planted as an experiment to study what effect the depth of planting would have on germination and the effect dry weather would have on killing the plants. It was planned to make an accurate study along this line, but the results were interfered with by a "cloud burst," which washed out many of the seedlings and covered others to a depth that killed them before they could be uncovered. Nineteen different packets of seed were planted. Usually about a pound of each species was used. The seed of each packet was divided into three equal parts. One part was planted at a depth of one-half inch. Another part was planted an inch deep. The third part was planted an inch and a half deep. On the first day of each month during the season the number of plants alive in each section were counted. Of course the summer rains would have a very decided effect on the number that might die of drought. This year the summer rains were abundant and of course the plants from the seed of the shallow planting did not suffer and the results of all depths at the end of the season were practically the same. It remains to ascertain what effect a very dry summer would have on shallow rooted plants. The half inch depth of planting gave a higher percentage of germination with all species except three species of cornus and one of hackberry, all of which gave the highest germination at one and one-half inch depth of planting. This experiment was to ascertain the best depth at which to plant the several species of forest seed and will be continued, exercising greater care to see that nothing interferes with the results. This year early in the spring 10,000 one-year-old transplant white pines which were planted in a bed three wide, in rows about six inches apart and the trees about one to one and a half inches apart in the rows was divided into two parts. In one part straw was woven closely in between the rows of trees but so as not to cover the leaves. The other half of the lot was cultivated during the season. At the end of the season the part that was mulched with the straw showed more vigorous plants and had fewer to die. Out of 10,000 plants at the end of the season 9,074 were alive.

GROWTH RATE STUDY

A knowledge of the rate of growth of trees must be available before the income from forest land can be computed. This knowledge is so fundamental that great efforts have been made to acquire datum so that forest land owners may have a knowledge of the rate of interest his investment will yield. It is planned to give this subject as much attention as possible.

At the state forest it is planned to caliper every forest tract every ten years. By so doing growth rate tables and charts can more easily be made and interpreted. During the year tracts 15 and 17 were calipered. These tracts are native woodland tracts from which all of its timber of tie size was cut between 1906 and 1908. The tracts are located at the base of the eastern slope of the "knobs." The diameter of each species was taken at 4½ feet above the ground, no allowance for bark. The measurements of these tracts are given in order that an idea may be had of the kind of trees that grow on this type of forest land and their size.

MEASUREMENTS TAKEN ON TRACT 15, AREA ONE-HALF ACRE

No. of trees	Dia. b. h.	Ash	Beech	Chestnut	Dogwood	Gum, Black	Hickory	Ironwood	Oak, Black	Oak, Chest- nut	Oak, Scarlet	Oak, White	Maple, Red	Sassafras
6 19 24 20	.2 .3 .4 .5 .6 .7 .8	1 1	$\begin{bmatrix} 1 \\ 2 \\ \cdots \\ 1 \end{bmatrix}$	1	3 6 2 3	5 8 4 4	2 2 2 6 7 3 2	2 6 4 1 2		1 2 2 2 2 2	1	1	1 1 1	
17 12 4 17 11		1	1		3 3 7 1 1	5 8 4 4 5 1 1 2 1 2 1	3 2 2 2 2 2 1 1			3 1 1 2		1 1 1 1 1 1	2 1 2 1 1 1	2 2
10 · · · · · · · · · · · · · · · · · · ·	1. 1.1 1.2 1.3 1.4 1.5				1	1 1 1	1 1 1	1		1 2 1 2 1 2	1	2	1 1	2 2 2 1
69 124 209 177 14 77 110 7 6 5 4 3 2 9 6 5 4 6 7 1 3 2 8 2 4 2 2 2 2 3 4 4 4 9 3 1 1 2 3 1 2 1 2 1 1 1 1 1 1 1 2 3 1 2 2 1 2 1	1.67 1.9 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 3.1 3.3 3.4 3.5 3.6 3.7 3.8 9 4.2		1 1			3 1 1 1 1 1	1 1			1 2 2 2 2 4 4 3 1 1 1 2 2 2 1 1 3 2 2 5 4 4 1 2 2 1 1 3 1 1 1 2 2 1 1 1 1 1 1 1 1 1	1	1 1 1	1	
6 7 1 3 2	2.4 2.5 2.6 2.7 2.8					1 1-	1			5 4 1 2 1 3		1 2 2	i	
2 - 4 - 2 2 2	3.1 3.3 3.4 3.5 3.6									1 1 2 1 1	1	2 1 2 1 1 1 1		
2 3 4 4 4	3.7 3.8 3.9 4. 4.2 4.4									1 2 2 3 6	1 1 1 1	$\begin{bmatrix} 1\\1\\\dots\\1\\1\\2\\2\\2 \end{bmatrix}$	1 1 1	
3 1 1 2 3	4.5 4.6 4.7 4.9									1 1 1 1 1 3		1	1	
1 2 1 3 4	5.1 5.2 5.3 5.4 5.5 6.2 6.4 7.2 7.8			······································						1 1 3 1	1	1 1 1	•••••	
2 1 2 1 1	6.2 6.4 7.2 7.8 8.									2 3 6 1 1 1 3 2 1 2 1 1 2 1	1			
1 1 1 1	8. 9.2 10.7 14. 14.2 14.5			1					1	1			 1 1	

³¹⁰ Total number of trees in Tract 15.

MEASUREMENTS TAKEN ON TRACT 17, AREA ONE-HALF ACRE

No. of trees	Diameter b. h.	Ash	Dogwood	Hickory	Hickory, Black	Ironwood	Oak, Chest- nut	Oak, Scarlet	Oak, White	Pine, Scrub
26 49 48 330 312 48 427 99 173 62 420 57 99 38 44 47 44 16 66 46 22 16 42 21 41 33 22 22 21 21 21 21 21 21 21 21 21 21 21	2 3 4 5 6 6 7 8 9 1. 1. 1. 2. 1. 2. 1. 2. 2. 2. 4 2. 2. 2. 4 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 4. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	2 4 2 1	10 16 18 19 11 5 11 3 9 4	4 6 3 11 12 6	8 13 16 12 8 14 23 4 21 12 15 5 8 7 10	1 8 6 4 5 1	1 1 2	1 1 1 2	1 2 1 1	1
35 12 48 24	.8 .9 1. 1.1		11 3 9 4		23 4 21 12		1 1 1 2	1 1	2 3 3 2	1 1
9 19 17 13	1.2 1.3 1.4 1.5 · 1.6		1	13 5 4 3 6 2	5 8 7 10	2	2 2 2	i		1 2 2
6 2 4 20 5	1.7 1.8 1.9 2.		4	2 1 2 2 2 2	1 5		2	2	1 1 2 1 1 2 3	2 1
7 9 3 8	2.1 2.2 2.3 2.4 2.5		1 2	1	2 1		4 2	2 2 1 1 1 2	4 2 1 1	1 1 1
4 4 7 4	2.6 2.7 2.8 2.9		2	1 1 1	1 2	1	2 1 1 4 2 5 1 2 2	3		. 1
6 6 4 6	3.1 3.2 3.3 3.5				1 1		1 2 2	5 1	1 1 1 3 3 1 4 1	1 1 1
2 1 6 4	3.6 3.7 3.8 4.						1 1 5	· · · · · · · · · · · · · · · · · · ·	1 1 2	1 2
1 4 1 8	4.2 4.4 4.5 4.6				1		1 2 1 2	1	1 4 1	1
2 2 1 4	4.7 4.8 5. 5.2 5.4				1	· · · · · · · · · · · · · · · · · · ·	21	1	1	1
3 2 2 2	5.5 5.7 5.8 6.	1					2 2 1 2		1	
2 1 2 5	6.1 6.4 6.5 7.	1			1 1		1 1 2 2 1 2 1 1 1 1 2 2	1	1 . 1	
3 2 1	7.2 7.8 8. 8.3 8.4	1 1					2	1	1 2 2 2 2 1	
2 1 1	8.5 8.6 8.7 8.8						-1	1 2 1 1 1		
3 1 1 2 1	9. 9.1 9.3 9.7			1			1	1	1 .	
1 1 1 1 1 1 1 1 1	11. 11.1 12.				1		1		1	

666 Total number of trees on Tract 17.

FOREST CLEANING

No forest cleaning was done this year other than utilize some dead trees for ties, logs and fuel.

INSECTS

No destructive insects appeared this year. The catalpa sphinx had two broods as usual but there were not so many this year as in previous years.

FIRES

The state forest was free from fires this year. All of the fire lines were given a thorough cleaning.

VISITORS

The state forest is attracting more attention each year. The roads and forest plantings are so well marked that many visitors do not trouble themselves to register. Then, too, the forest is fast becoming an objective point where families meet on Sunday for a visit and have their dinners. The recreational feature of the forest is growing fast. During the last Sunday in September it was estimated that about seven hundred people drove through the forest, but practically no one registered.

The number of visitors who registered at the administration building was 1,551. Their addresses according to states were as follows: Indiana, 1,410; Kentucky, 55; Ohio, 25; Illinois, 13; Michigan, 8; Iowa, 7; California, 4; New York, 3; Alabama, 3; Florida, 3; Massachusetts, 2; Missouri, 2; Minnesota, 2; Colorado, 2; Montana, 2; New Jersey, 2; Nebraska, 2; Washington, 1; Washington D. C., 1; Connecticut, 1; South Carolina, 1; Canada, 2.

RAINFALL AT THE CLARK COUNTY STATE FOREST

1920	Rain	Snow
October	1.26	
November		
December	1.25	
1921		
January	2.85	8.50
February	3.06	4.60
March	4.95	
April		
May	2.16	
June	3.28	
July	2.28	
August	4.90	
September	4.31	

OFFICE WORK

All of the office work is done by the State Forester and stenographer. The State Forester spends practically all the summer months in the field.

CORRESPONDENCE

During the year 1,503 first class, 2,864 second class, and 433 third class letters were mailed. There were 881 first class letters received.

REPORTS

Practically all of the reports of the office are out of print. The few copies remaining are held for requests from the larger libraries. During the year Deam's "Trees of Indiana" was published, and was received for distribution April 20, 1921. It was published from the funds of the department of conservation and is not for free distribution but is sold at \$1.25 per copy, which is to cover the cost of publication. Of this publication 390 copies were sent to libraries and exchanges and 363 have been sold.

LIBRARY

The library now contains 2,339 titles of which 87 were added during the year. The office is also a subscriber to one lumber and three forestry journals.

FIELD WORK

During the year 104 days were spent in the field in addition to several days spent on the state forest. Most of the field work was done by auto, and 4,880 miles were traveled. The field work extended to all parts of the state, and was made principally for the inspection of woodland for classification as forest land. During the year 91 woodlands were inspected for classification. In doing field work many valuable notes are taken and made record of and botanical specimens are taken. It is to be noted that the year as a whole had an abundant rainfall, but that there was a period of drought during early summer. This drought killed many of the beech trees in the vicinity of Kosciusko county. The black oaks also died in considerable numbers in some parts of northern Indiana. The ash in a woodland near Arlington were defoliated by a new insect pest which will be reported by the State Entomologist.

Observations are made in doing field work on the fruiting of the shrubs and trees of the state. It is to be noted that there has not been a full crop of forest seed for many years. This year very few of the trees and shrubs bore fruit. Of all of the shrubs only the spice bush had a full crop. Only exceptionally did the wild grapes have fruit except Vitis aestivalis. The Dogwood (Cornus Florida) had a full crop of seed in all parts of the state. Of the larger forest trees none had a full crop in all parts of the state.

Some species of oak had a moderate crop in restricted areas. The white oak in the southeastern part of the state. The chestnut oak had a fair crop in all of its range. The small-fruited hickory a fair crop in the northern part of Indiana. The big shellbark and little shellbark a fair crop in the southern part. There were no ash, beech, sugar maple, linn, hackberry, honey locust, black gum, or black locust seed this year. The persimmon was well fruited in all parts. There was a moderate crop of black walnuts in northern Indiana, but the butternut was a failure.

STATE FAIR EXHIBIT

The state fair exhibit was a duplicate of last year's exhibit. It seems difficult to make an exhibit to compete with the many attractions at a state fair. Our exhibit was well attended and well worth the time and energy spent upon it.

CO-OPERATIVE FOREST PLANTINGS

No new plantings were established this year. The one in Jackson county on the county farm was visited and found in excellent condition and making a fine growth.

REPORT OF THE DIVISION OF LAND AND WATER

CHAS. G. SAUERS, Acting Superintendent.
R. P. LUKE, Superintendent of State Parks.
JOHN M. DAVIS, Custodian McCormick's Creek Canyon.

The state park system of Indiana had its beginning in 1916. It started through a desire to preserve for present and future generations some of the areas of primitive Indiana, and also historic spots. Just what capacity the state park would fill, mode of management and system of development was not clearly defined nor recognized. The experience of five years, however, has produced a plan of action and system of management, and a definite purpose for state parks. They fill that desire of the public for a recreation space which has no artificiality and brings them in close contact with the environment of their forebears. The city park and the national park have their reasons for existence. The former as breathing spots in a region of intensive population and the latter to fill the desire for the spectacular, the unusual, and to impress upon us the grandeur of our country.

There must needs be a place where the people of small means may go and seek rest, recreation and change in an environment entirely different from their usual habitat. This is the mission of state parks in Indiana. It does not follow, however, that the state must furnish these free of charge and so the ideal of the department is to create state parks which are self-sustaining, and which are not a permanent load upon the tax duplicate. In order to achieve this situation the state must invest some capital. In the development of tracts which are either donated or purchased there must be provided parks and roads to make the area accessible. Water supply must be adequate and proper sanitary measures established, space must be set aside for the camper, and hotel facilities for those who desire them.

It is true that the state parks are the property of the people of the state and that they have paid for the original investment, but it does not follow that they may use this free of charge. The taxpayer who does make use of his state park should be willing to pay for the privilege and through this plan the state park may be made self-sustain-

\$108,918 88

ing. Turkey Run is our state park experiment station and the plans of the department have been developed from the experience derived from it. The following figures show total capital invested in Turkey Run and revenue obtained:

TURKEY RUN

In

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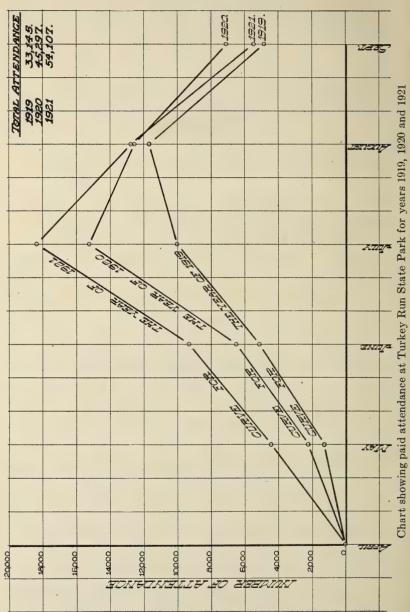
nvestment—		
By State Park Commission:		
State appropriation	\$37,978	17
Private donation	36,042	65
By Department of Conservation		
From Governor's fund for new land		
	\$108,918	88
eceipts for the year—		
Gate receipts \$5,396 60		
Auto storage 467 75		
Concessions 2,826 25		
	\$8,690	60
Return on total investment of 7.9%.		
Return on appropriated funds is 11.9%.		
Total income from Turkey Run since 1917 is \$23,608.54.		
Classification of Turkey Run Expenditures, Since Its Beginning		
and purchased	\$50,809	02
nprovements		
aintenance and repairs		
	,,,,,	

TURKEY RUN

The index of the value of a state park is the attendance. Turkey Run, under a well considered system of development, presents some interesting figures. The paid attendance for 1919 was 33,145; for 1920 was 45,297; and for 1921 was 54,107. These figures do not represent the actual daily attendance, for a person may come and spend a day, two days, two weeks or a month and only pay his admission once. Likewise, throughout the winter months there is a fair attendance of which no accurate account is kept, so the department will be very safe in doubling the figures which are here represented.

Not only is the attendance at the park proper increasing annually, but along with it is a tremendous demand for hotel accommodations. In the past season it has been necessary to turn away from four to five times as many hotel patrons as could be accommodated.

Through their own observation the officials of the department discovered that Turkey Run is as fine in winter as in summer and there was installed complete heating equipment for the hotel. The park is now accessible to the public throughout the year and indications are that it will be popular as a winter resort. It likewise serves in the winter time as a community center to the people for twenty miles around. There are many reunions, socials and dances held in the hotel, practically the only available building for this. The large assembly room with its huge fireplace is not only comfortable but ample. For the coming winter the department will attempt through the various civic and public organizations of the state to make even greater use of the



park during the winter as a rendezvous for touring parties, meeting place of small conventions and a resort for those desiring a winter vacation.

The five cottages which were built late last year have proved their popularity and have well served their purpose by doubling the hotel sleeping capacity. Electric lights were installed early in the season to reduce the fire hazard which accompanies the use of oil lamps. As a further insurance against fire there was purchased a wheeled extinguisher of 50 gallons capacity which should be adequate for any fire which might develop, if caught in its early stage. Most of the buildings are also equipped with hand fire extinguishers.

Probably the most notable development of the park was the acquisition of 181 acres lying south and east of the old reservation from which the merchantable timber had been removed. This gives an opportunity to bring the main entrance to the park on a state highway and at the same time allows the development of a very beautiful drive through this new section as an approach to the hotel. It will be necessary to fence this new addition along the road and to do considerable cleaning up of the slash left from timber operations. Fortunately there is a sufficient young timber left standing to give ample shade and grow eventually into a very fine timber tract. Footpaths will also be developed in this new section so as to make it readily accessible.

Sunset Point, at the junction of Turkey Run and Sugar Creek, had been wearing away for some time through the erosion of the soil and it seemed as though we might lose one of the chief observation points which commands a view of Sugar Creek. Through considerable ingenuity a concrete retaining wall and terraces were constructed so as to hold the soil and the point is now permanently established without marring the natural landscape in the least.

There has heretofore been a flight of earth steps and ramps leading from the top of the cliff to the swinging bridge over the creek. This necessitated constant repair and was not satisfactory. During the summer concrete steps were constructed, so designed as to make a natural descent and which will no doubt perform their service for many years to come without further outlay.

The increased attendance at the park has necessitated a larger police force over the week-ends, and the employment of a patrolman throughout the season. The fire hazard is a constant menace where a cigarette butt or match may start a blaze which would ruin acres of woods. There is rarely any trouble with law-breakers or rowdies at this park, but the rules in regard to building fires, picking flowers and ferns, and defacing cliffs, require constant enforcement.

The heating plant was installed under the servants' quarters. This required the digging of a cellar and construction of a large brick chimney. This cellar was extended so as to permit the enlargement of the servants' quarters by four rooms and underneath them an engine room for the light plant, and a laundry. This building now has ten sleeping rooms and a three-room basement. Dry wells were also constructed as auxiliaries to the sewage disposal plant.

A trestle carries the road through the new addition across Newby Gulch. This gulch has been recently christened in honor of Mr. Arthur C. Newby of Indianapolis, who largely aided by generous financial assistance in the acquisition of Turkey Run. This trestle, 145 feet long, was designed by the division of engineering and built by the superintendent of state parks. It is a massive structure and we are proud of its achievement entirely within our own organization.

In the spring Turkey Run was visited by a small tornado which uprooted one poplar, two oaks and five maples, all of them of great size and located on the plateau about the hotel. The only wonder was that no buildings were touched.

Through the co-operation with the new division of engineering there has been obtained an accurate and detailed topographic map of the entire reservation. We are now able to locate new paths in the most logical and economical way and to develop our water and sewage disposal systems. The engineers have located the new drive of the main entrance to the hotel and designed and supervised the construction of a trestle over Newby Gulch for the new road. The lack of adequate water supply and the necessity of further development of sewage disposal has been a continuous problem from the beginning of the park. During the coming winter the engineer and sanitary engineer will make a thorough study of this development in co-operation with Purdue University and the department will undertake what they prescribe so as to have it in readiness for next year's season.

There will also be developed, located and constructed, further paths which will make every point in the park accessible without too strenuous exercise. In connection with path development it is proposed to try out the use of burros as a carrier for youngsters and old people. They are very successfully used in the west for the same purpose and there seems to be no reason why they would not be ideal at Turkey Run. Of course, sufficient charge will be made for their use to cover their maintenance, supervision and return interest on the investment.

The question of hotel accommodations which has been referred to above must have immediate attention. There are two possibilities—that of building another large hotel, or to develop the cottage system. A preliminary examination indicates that the large hotel would be the more economical method and would also permit winter usage which is hardly possible with a large number of scattered cottages. Since the present hotel has shown that it will pay an ample return on the investment and the demand for accommodations proves the necessity of greatly increased hotel facilities it is assuredly not a losing venture for the state.

The extreme heat during the past summer has revived a great interest in bathing and swimming and Sugar Creek in the park has been a delight to the visitors. This necessitates the provision of adequate bath houses where bathers may change clothes and where bathing suits may be rented. There should be two places along the creek for this purpose, one at the mouth of Turkey Run for those who can not swim but desire to bathe and paddle about, and the other at Goose Rock for those who desire deeper water. At both places there are small sand beaches and they are within easy walking distance of the parking grounds.

M'CORMICK'S CREEK

Because sufficient funds were not available early in the year the development of this park was considerably delayed. As a result of this delay the department did not think it logical to charge a gate fee and so there is no accurate account of the attendance. Nevertheless the park has been visited by a good many thousands and is rapidly becoming known to the state.

The hotel in the park has been changed from an unsystematically planned and uninviting building to a delightful summer hotel. This necessitated the building of a small addition for kitchen and serving pantry, which also provides a cellar, not before available. The entire interior of the main building was removed and developed into a large dining room, assembly room below and thirteen sleeping rooms and a bath above. The rooms have all been pleasingly decorated and the entire interior presents a cozy and pleasing appearance. There was built just south of the hotel a small building which houses an electric generator and batteries that furnish light and power for pumping. The kitchen and bath are of course provided with modern plumbing and a large septic tank built for sewage disposal.

This development required until mid-summer, and then considerable delay was encountered in securing furniture for the dining room and assembly room. This is fibre reed type made at the state prison. The sleeping rooms and kitchen are furnished by the concessionaire. Broad porches run the length of the hotel on both floors and these are furnished with swings and rockers.

In order to develop the view from the main porch of the hotel the garage and small barn were removed to a well screened location and the other farm buildings have been changed to the same vicinity so that there now appears to the visitor the broad lawn and edge of the woodland. The necessity of using our one large well for water supply within the hotel required the digging of a new well for drinking purposes. Here considerable trouble was encountered due to a stratum of very soft shale lying about one hundred feet below the surface, but this was successfully overcome and a good well secured.

The bathing pool which was constructed during the present year proved to be a great boon to the visitors to the park and was used very intensively.

This park is now in such shape with the adequate hotel facilities and accommodations for large crowds so that it should develop rapidly in popularity the next season. As is usual with state parks there still remains a great deal to be done. There must be provided bath houses, both at the swimming pool and on White River. The park is not as well provided with foot paths as desirable. Although practically all points in the park are readily accessible, the public is not apt to inspect anything except that which they can reach by a comfortable path. There also remains undeveloped the very fine frontage along White River, which includes a very excellent gravel and sand bar. One thing which has deterred this is the condition of White River, due to the pollution by Indianapolis and cities lower down. It is hoped that this will be

done away with when new sewage disposal plants are completed and that the river will then be in such condition as to permit recreational use.

The road from the park proper to the state highway has twice been graveled and is now in good condition for automobile traffic. This work was done by the township trustee with gravel from the bar on White River in the park. Also the division graveled the road around the hotel and to the swimming pool. No further road development in the park will be attempted until a topographic survey is available.

CLIFTY FALLS

Clifty Falls was turned over to the state rather late in the season, so no attempt has been made to carry on any great amount of development until the engineers had completed a topographic survey. The park is of such nature, being extremely rugged, that little could be done in locating roads and footpaths until this map was completed. The funds available for development are comparatively meager and any road that is built will be rather costly, since it must necessarily be built on a very steep slope. The big problem in the development of this area is to make it accessible to the visitors and this will largely be through the medium of footpaths. There are many spectacular views, all which require considerable climbing and hiking to reach and it is the nature of the public in general to demand pathways to these points.

It is hoped that through co-operation with the Southeastern Hospital for the Insane there may be obtained the site adjacent to the park known as Thomas Hill on which is now situated a fine old farm house. From the top of Thomas Hill one may look miles up and down the Ohio Valley and the view is probably the most spectacular in the state. Consequently it is ideal for a hotel site and this one point alone would insure ample patronage. This site may also be reached by a comparatively short road coming up from the main highway. At the foot of the slope there are ample facilities for those who wish to park their cars at that level. It is a short distance from Madison proper and can be made the center of park interest.

It is hoped that at Clifty Falls we may try our first experiment in the possibility of a state park with railway connections. At the present time there is within a mile of the park a spur of the Pennsylvania railroad. An attempt will be made at a later date to have this spur continued within the park and thus be able to supplement the park attendance by use of excursions. Parks that lie two or three miles from a railroad point do not receive the patronage from visitors by rail that would be expected. We surely can not develop state parks for the use of those running automobiles only.

There can be no question as to the ultimate popularity and wide use of this park. It is blessed with a spectacular scenery on a huge scale which can not be surpassed in the state. It commands a broad view of the Ohio Valley. There are some nineteen beautiful waterfalls of which Clifty Falls is the largest. It is readily accessible by automobile and steam road and river. Its disadvantage is that its extreme rugged-

ness necessitates the expenditure of considerable funds to make it accessible to crowds. However, such funds will be well spent and would soon place the park on a self-sustaining basis.

VINEGAR MILLS

This is the first park that has been given the state without any financial assistance or without any encumbrance whatsoever. It is ideally situated at the junction of two trunk highways and accessible to three railroads and lying between the towns of Vernon and North Vernon. It is not spectacular but is finely timbered, has a varied and interesting topography and lies partly along the Muscatatuck River.

In giving it to the state the people of the community have demonstrated their interest in advancement of the state and their belief in Indiana as a coming tourist mecca. It will be developed as a caravansary for auto tourists, community meeting place and vacation resort as rapidly as funds become available.

LAFAYETTE SPRINGS

The state is to be the recipient of the land containing the historic Lafayette Springs. This spot is at the foot of the Ohio River bluffs about four miles northeast of Cannelton. The donors are Mr. and Mrs. J. C. Shallcross of Cannelton, who are giving it in honor of a son lost in the recent war. It will also be a memorial to all the soldiers of Perry county lost in the late war.

The spot has great historic significance, has a beautiful setting on the Ohio and can be well developed into a historic shrine. It is the first reservation in the state to be set aside as a monument or memorial, similar to the great national monuments. No doubt it will be the cause for the setting aside of many more historic spots in the state, under the state's jurisdiction, which will insure their permanence.

KANKAKEE LANDS

There remains of the Kankakee lands some 6,000 acres belonging to the state. Of this there are a number of tracts in their virgin state and of sufficient size for use as public recreation grounds. There exists against this state land a drainage assessment of \$42,000. There has been some thought of selling the land in question to cover the drainage costs. This, the department has of course opposed and for the reasons set down in the enclosed letter from the director to the Governor.

"September 21, 1921.

Sir—Regarding the payment of approximately \$42,000 in accrued dráinage costs of certain state land along the Kankakee River, I very respectfully suggest that in order to hold said acreage for further use of the people of Indiana, that you, through your finance board, set aside the needful sum from the specific appropriation of \$300,000, for the purpose of giving the Department of Conservation the opportunity to hold and develop the land for public uses.

The Department of course realizes that until a decision has been reached in the case of the Tuesburg Land Company the entire matter of ownership is still in doubt.

Having in charge the natural resources of the state, we protest as respectfully as energetically against the disposition of these lands by sale, and for the purpose of making this position more clear, submit the following statement:

The purpose of conservation is to keep the resources of the world in sufficient abundance so that man may have a happy, fruitful life, free from suffering—a relatively easy physical existence, and by so reducing the struggle for existence, to thus give an opportunity for development to a higher intellectual and spiritual level.

One of the great instruments of conservation has been drainage, through making available great areas of land for the production of foodstuffs. It does not necessarily follow that all drainage is conservation, for upon proper investigation it is highly possible that an area now existing as lakes, ponds or swamps will yield a distinctly larger return in its natural condition than would the same area drained and used for agriculture. Under intelligent management these areas will yield the community abundant and varied returns as indicated in the following brief summary of their productiveness:

- (1) Food and game fish.
- (2) Wild fowl to be shot for sport and food.
- (3) Resting places for migratory birds. Breeding places for all.
- (4) Furs from muskrats, skunk and raccoon.
- (5) A natural ice supply.
- (6) A definite and invaluable help in maintaining the underground water level and in helping hold back the run-off of rainfall to prevent excessive erosion and other damage.
- (7) Opportunities for healthful and interesting recreation for the citizens of the state.
 - (8) For educational uses in interesting the people of the state in out-of-door life.
- (9) With the advent of the automobile, wild places for outings and camping spots have come into great demand. The tourist traffic of the country increases by the many thousands each year. The communities which have such reservations will find them a source of great profit. The tourist has money and is spending it. The communities where he comes are the recipients of a large amount of liquid capital as the result of the trade with the tourist population.

The lakes and streams of Indiana are the lure to out-of-door life for the people of small means. Here the city dweller as well as the rural population finds recreation for the asking, and opportunities for out-of-door life present a sort of balance wheel which saves us from being smothered in the great rush for the necessities. Surely there must be some end to the wholesale destruction of our native heritage. Those areas are Godgiven spots, for 'In my Father's house are many mansions.' They have a definite and necessary purpose just as much as our broad and fertile acres of tillable land. They must be retained for present generations and for the era of greatly inceased population which must follow."

THE DUNES

The dunes of Lake Michigan in Indiana continue to be the premier objective of state park development in the state. There can be no question as to their desirability, their accessibility and adaptability to the purpose in hand. Aside from this, however, we must come to recognize their necessity to Indiana and to the nation. Since there is no precedent and no apparent possibility of the federal government taking action, it becomes the privilege and duty of Indiana, with private assistance, to preserve this heritage and God-given spot.

The legislature balks at the expenditure required because we have never done anything so big before. But a million dollars is not a large expenditure for a community of three million souls, upon a project which will repay in happiness, contentment, pride and actual dollars many times its first cost.

There is presented the argument that this district might all be developed into greater Garys. This is highly impossible and altogether un-

desirable. This district holds no corner on the properties which make a location suitable for steel manufacture. The district is now greatly overpopulated with a conglomeration of nationalities and beliefs. The dunes are the poverbial melting pot for the heterogeneous population. To greatly enlarge the present conditions would be inviting social suicide.

Here lies the opportunity to do a great and good thing in a huge way. It is neither foolish nor theoretical but is wise and most practical. Opportunity knocks and bids Hoosierdom open.

VERSAILLES

There is proposed a state park in the Laughery Valley on land lying adjacent to Versailles in Ripley county. The donor is Joseph Hassmer, a native of the county and recently returned there as resident. The site is excellent and permits of an almost ideal development of a great number of camping places along a most excellent fishing stream which combine with this property delightful banks and environment.

This park would be a memorial to the soldiers of Ripley county and a memorial drive through the park will be constructed. There remains to be adjusted the status as regards the local conditions affecting it and arrangements by which the tract may be developed.

This park is readily accessible by auto to residents of southeastern Indiana and southwestern Ohio. It contains more than a mile of one of our most beautiful streams which abounds in fish. There is in the proposed area land which is well located for forestry experiments, and the whole is readily adapted as a community meeting place.

THE CAMPER

There is a consistent and growing demand for camp sites. To meet this the department will provide more camping facilities than heretofore on all reservations under its control. Sites must be selected with extreme care, so as to insure fairly convenient and pure water supply, cause no harm to vegetation, permit use of camp fire without forest fire danger or injury to timber, and yet be convenient to the center of traffic in the park. This work can well be carried on in winter when but little else is possible. This requires extra policing, for the new camper has not as yet learned the good manners of out-door life.

The Clark county state forest is readily adaptable to the campers' purposes. It is a wooded tract of over 2,000 acres in the heart of the knob country. The railroad, traction system and state highway run along one boundary. It lacks water supply but this will be developed. Here the fire hazard is great and the campers will have to be thoroughly instructed and a patrolman will be employed.

NATIONAL CONFERENCE ON PARKS

There was held in Des Moines, Iowa, on January 21 and 22, 1921, a national conference on parks, the purpose of which was to arouse interest in the development of state parks and to bring together such knowl-

edge as was already available upon the establishment of such areas. The conference was fostered by the secretary of the interior through the National Park Service under Stephen T. Mather.

There were in attendance men and women from practically every state; meetings were enthusiastic and a broadened point of view and renewed enthusiasm for the movement was the result. Campaigns for parks in states heretofore without them resulted. States having parks lying undeveloped learned from those older in experience. Indiana was represented by the assistant to the director who delivered an address on "State Parks, A Cure For Industrial Ills." Richard Lieber, director, was made a member of a comittee on the next conference and Chas. G. Sauers, a member of the committee on legislative drafts.

This conference demonstrated that Indiana is a pioneer in state park work, has a system comparable with any other, and much more complete than a large majority. Our experience in obtaining park sites, plan of making the parks pay their way, and proposed complete system proved a great help to the conference.

POSSIBLE SOURCES OF STATE REVENUE

There exist three possible sources of revenue to the state which are as yet undeveloped because of legal questions. Under the bed of the Wabash lie approximately 100,000,000 tons of minable coal. The bed of the river is the property of the state and consequently the coal, if the river is a navigable stream. Likewise the gravel and sand deposits under all navigable streams are state property under the same conditions. The navigability of Indiana streams is an undecided question in the courts and the department has not been able to secure legal assistance necessary to the settlement of this question.

The bed of Lake Michigan in Indiana is a great sand bed. Sand is removed by ships known as "sand suckers." Recently an injunction was filed against further removal of this sand on the grounds that it is the property of the people of Indiana. Some way must be found to make use of this resource at a profit to the state. This is a case where non-use of a resource is pure waste for the sand deposits are constantly being replenished. This again is a legal matter.

THE TOURIST

That a demand for such information might be fulfilled, the division compiled and published a folder, "Points of Interest in Indiana." This consists of a map of the state highways and some tributaries on which is located in red, 92 points of scenic, historic and sight-seeing interest in the state. On the back is a key to the map with a short description of each point and information on state parks and reservations controlled by the department. It is much in demand and a first edition of 5,000 was soon exhausted. When the present edition is exhausted the publication will be amplified and revised.

Hoosiers themselves are not alive to the touring possibilities in their own state, the many recreational spots and sights to be seen. Certain

districts, such as the lake counties are realizing what an asset their lakes are. They see the great summer colonies that are attracted and the future of their counties as tourist centers and the increased business that is a consequence. These possibilities are not confined to the lake counties. Localities having fishing streams such as the Tippecanoe, Laughery Creek and Eel River, those having great wooded areas such as Brown, Crawford and Perry, and those containing spots of great historic interest such as Franklin, Lake and Posey, all have the opportunity to develop a big business in tourist traffic. Our excellent system of highways, steam and electric roads are already available. This department never permits any opportunity to slip by whereby the state may be boosted both at home and nationally.

Many cities and towns are providing camping sites for auto tourists and many more should follow the lead. Towns might well increase the attractiveness of their entrances, stimulate an air of real hospitality, insure against overcharging and all the various and easily acquired details which make the stranger glad to be there and anxious to return.

FINAL REPORT OF STATE PARK COMMISSION

August 1, 1921

RECEIPTS

Balance on hand as per report of September 20, 1920...... \$2,083 74

Which does not include-

Advanced to Mr. John M. Davis	268	94	\$2,552 2,452	
			\$5,004	83
DISBURSEMENTS				
Labor	\$4,143	09		
Material	155	30		
Automobile	173	35		
Freight and express	209	36		
Administration and office expense	284	73		
Insurance	39	00		
			\$5,004	83

REPORT OF THE DIVISION OF FISH AND GAME

GEORGE N. MANNFELD, Superintendent of Fisheries and Game. GEORGE BERG, Superintendent of State Fish Hatcheries.
ANDREW E. BODINE, State Organizer.
MARGARET BINKLEY, Bookkeeper, Clerk and Stenographer.
CHARLES J. O'MAHONY, Assistant Clerk.

STATE FISH HATCHERIES

Riverside Park Hatchery, Indianapolis
WILLIAM BORDENKECHER, Foreman.
LEWIS J. AMOS, HENRY BILTZ, EDWARD HILTON, Assistants.

Wawasee Hatchery, Lake Wawasee JACOB CLICK, Foreman. FRANK BROWN, Assistant.

Tri-Lakes Hatchery, Tri-Lakes JOHN H. FLEMING, Foreman.

Bass Lake Hatchery, Bass Lake FRANK HAY, Foreman.

GAME WARDEN SERVICE

RODNEY D. FLEMING, Chief Game Warden FREDERICK M. EHLERS, Secretary Game Warden Service

GAME WARDENS ON SALARY

Barber, Al. D. Gallion, A. M. *Luke, Roland P. Garrabrant, Wm. E. Miles, Charles C. Beloat, Thomas H. Gilpin, Cecil R. Neal, Oliver C. Bravy, J. J. Butler, Thomas F. Hardy, Chance N. -Randall, John H. Havel, Jacob Chamberlin, James D. Rohrabaugh, Roy Hoemig, Walter Stansell, Gregg T. Click, Emanuel Holstine, A. E. Crecelius, Philip Vanderford, Andrew †Jones, Edward Walker, Harry *Davis, John M. Lapham, Frank G. Wyatt, George W. Dixon, Clifton E:

FOREWORD

The fish and game division is self-supporting, receiving no appropriation from the legislature. It must raise its own funds to work with. It is financed by the sale of hunting and fishing licenses to sportsmen. In fact, instead of being an expense to the taxpayers, it helps to reduce

^{*} Custodian State Park, salary paid by Fish and Game Division.

[†] Custodian Warden House, Wawasee.

their taxes, since all the money collected from fines assessed against violators of game and fish laws goes into the common school fund. The heavier the fines, and the more of them assessed, the more the people are benefited. Heavy fines also tend to discourage the illegal taking of fish, game and other wild life. Licenses to hunt and fish are issued in the office of the division, but the bulk of them are sold by the county clerks in the several counties of the state. The division also appoints agents in this and other states who handle its non-resident licenses. In Marion county, the licenses are not placed in the hands of the county clerk, but are sold in the office of the division, also by appointed agents, usually by stores handling sporting goods. The bulk of the license sales are the \$1.00 resident licenses which carry with them the right to either hunt or fish. They net the division ninety cents. Clerks and agents are allowed to retain ten cents for their fee. Those sold in the office of the division are the only ones netting it a full dollar. Each clerk and agent authorized to issue licenses is required to report on the first day of each month, informing the department of the number of licenses issued during the month preceding, giving the names of the licensees, and the number of blank licenses remaining in his possession. Making settlements of this kind monthly requires extensive clerical work which must be carefully attended to so all accounts balance. In addition to the money raised by license sales, the division receives a fee of \$5.00 in all cases of conviction or on plea of guilty of persons violating the acts protecting fish, game, fur-bearing animals and birds, or acts in relation thereto. This fee is assessed as part of the costs. The sum raised from this source, however, is not large, amounting to only five per cent of the division's total receipts. A record of all arrests made by game wardens is kept in the office on a docket. In this manner fees are properly accounted for. The funds raised from the sale of licenses and fees from fines are kept in a separate fund in the state treasury. It is known as the Fish and Game Protection and Propagation Fund. The law provides that it be used for purposes connected with protection and propagation of fish, game and birds.

On account of the extended interest in hunting and fishing, very few offices in the State House have as much attention directed to them as the fish and game division. The volume of mail coming in and going out amounts to considerable. Records are kept of all mail coming in and going out. In the year 1920, records show 15,154 letters and packages were handled. In the fiscal year 1921 just closed 21,138 pieces of mail were handled, a gain of 5,984 over the number handled in the year previous. A substantial increase was noticeable in the number of letters asking for information as to laws. Many also carried complaints as to violations. The increase in the communications received lead to the belief that stimulus has been given to wild life conservation, and that the general public has confidence in the department to accomplish results expected of it.

NUMBER OF PERSONS EMPLOYED

The maximum number of persons employed in the division on salary during the fiscal year 1921 was forty-two. At the beginning of the

new fiscal year, October 1, 1921, forty-four persons are registered on its payroll. They are employed in the four branches of the division's work as follows: In the office, three; in the warden service, twenty-seven; fish cultural work, nine; game experiment station, one; organization of fish, game and bird protective associations, one. The salaries of the custodians of the state parks at Turkey Run and at McCormick's Creek are paid from the funds of the division, as they act as game wardens.

MOTOR CARS

The division owns sixteen motor cars which are used in transporting game wardens about the state, and in delivering fish to applicants from the state fish hatcheries. Eleven of these cars are used by game wardens, the other five are in use at the fish hatcheries. The actual mileage traveled by each car is computed and kept of record. Gasoline, tires, repairs for each car are charged against those driving them. By this means the actual cost per year and per mile can be computed. In the fiscal year just closed, the cost per mile of ten Ford cars used in the game warden service was five and eighty-three one-hundredths cents per mile. They traveled a total of 161,063 miles. All tires are furnished direct from the office, the number of each being registered, also the time of going into use. Worn-out tires and tubes are required to be sent to the office for checking up, also for adjustment.

CONDENSED REPORT

The number of pages allotted for this report being limited, it is possible only to briefly touch upon the four branches of its work. Each of them is taken up separately. These branches are the main office, where the policy of the division is formulated and the records of all kinds are kept; game warden service; state fish hatcheries and organization of fish, game and bird protective associations.

MANAGEMENT

By comparing the records established by the division since becoming a part of the Department of Conservation with the records of the former fish and game commission, it will be noticed that great headway has been made. Public confidence in the division has been established, chiefly through the systematic manner in which its work is conducted.

Much has been said and written on the subject of fish and game conservation, many advocates leaning more to the educational line of bringing about the preservation of wild life, than in attempting the vigorous enforcement of the game and fish laws. Getting away from the police idea of securing law observance will bring no results. It has the same effect as preaching honesty to thieves. They have more respect for the police than they have for reformers. Fish pirates and game hogs have respect only for a game warden who makes arrests. Preaching conservation to such folks is useless. The policy of the division is to enforce all game and fish laws without fear or favor, and to educate where education will do good.

RECEIPTS AND DISBURSEMENTS

The receipts of the fish and game division for the fiscal year 1921 were \$132,852.65. Disbursements were \$116,267.83, leaving an unexpended balance of \$16,584.82. Receipts and disbursements for the year preceding, and for the years 1918 and 1919 are given to show by comparison how the business of the division has advanced. I believe this to be due to better system and management. The following table explains itself:

Fish and Game Receipts	Fish and Game Disbursements
1918 \$89,149 96	1918 \$96,199 36
1919 95,159 31	1919 81,418 50
1920 126,148 93	1920 109,918 56
1921 132,852 65	1921 116,267 83

Note—The receipts and disbursements for the year 1918 and for the first six months of 1919 were under the former fish and game department. Those for 1920 and 1921 were wholly under the present Division of Fish and Game.

NUMBER OF FEES AND AMOUNT REALIZED THEREFROM IN 1921

There were 1,268 fees of \$5.00 each collected from courts during the fiscal year 1921. These brought the division \$6,340.00. This and the money received from license sales, go into the fish and game protection and propagation fund, as provided for by law. To properly collect all fees due requires extensive bookkeeping. To know when and from whom fees are due, each case must be correctly recorded on a docket record. Game wardens report on arrests once each week, giving complete data. When a case is lost, appealed, or the defendant decides to lay out his fine in jail, no fee is collectible. The final outcome of each case must therefore be known. This requires constant vigilance and continual posting on the docket record. Justices of the peace and other courts are required by law to pay the fees due the department promptly. Notwithstanding this, payment often is deferred, or not made until demanded. No part of the division's work is so complicated or entails more careful attention.

LICENSE SALES IN 1921

One hundred thirty-seven thousand and fifty-four licenses to hunt and fish in the state were issued in the fiscal year just passed, an increase of 8,756 over the amount sold in the year preceding. A very substantial increase was made over sales in 1918 and 1919. The sales in 1921 exceeded sales of 1918 by 44,388, and exceeded those of 1919 by 37,236. The following table shows the number and kind of each license sold in the last four years:

	Total	Resident	Non-Resident	Non-Resident
	Licenses Sold	Hunting and Fishing	Fishing	Hunting
1918	 92,666	88,719	3,876	71
1919	 99,818	94,349	5,407	62
1920	 128,298 •	119,931	8,274	93
1921	 137,054	127,306	9,651	97

Note—Licenses sold in 1918 and for the first six months of 1919 were under the former fish and game department. Those recorded for 1920 and 1921 were sold under the present Division of Fish and Game.

TABULATION OF LICENSES

The tabulation of licenses sold by counties and agents for 1921 displays a great difference from the records of the preceding year. In 1920 license sales increased in all counties of the state except six. In 1921 forty-nine counties increased sales, and forty-three recorded losses. In the aggregate 8,756 more licenses were sold. Of the forty-nine counties showing gains in sales, thirty-three were southern, and sixteen northern counties. The county making the greatest increase in sales was Steuben county, which recorded a gain of 2,501. The greatest loss recorded was by St. Joseph county, which fell off 878 in its annual sales. The following table shows the licenses sold in the several counties of the state and by agents for the fiscal year ending September 30, 1921:

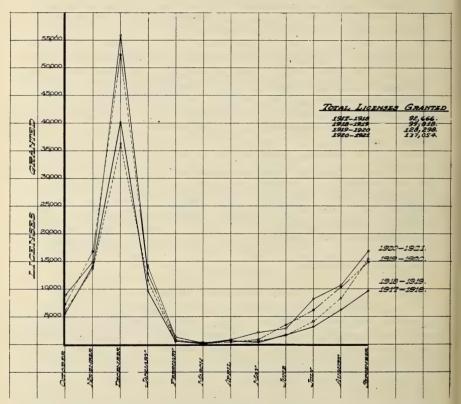


Chart showing number of fishing and hunting licenses sold for the four fiscal years. The Department assumed control on April 1, 1921

LICENSES ISSUED BY COUNTIES AND AGENTS FOR FISCAL YEAR ENDING SEPTEMBER 30, 1921

COUNTY	Resident Hunting and Fishing	Non- Resident Fishing	Non- Resident Hunting
AdamsAllen	8,146	18	***
Bartholomew	978	137 1	1
Benton. Blackford.	174	3	
		• • •	
Brown.			
Carroll	305	6	
Cass. Clark.	2,712	24	1
Clark	953	228	1
Clay	1,582		
Clinton Crawford Daviess	152	4	• • •
Daviess. Dearborn.	1,051	5	111
		457	11
Decatur	759	2 92	
Dekalb Delaware	2,200 2.854	2	
Delaware Dubois	873	1	
Elkhart	2,694	213	3
Fayette	952	2	
Floyd Fountain	1,496	71 89	1
Franklin.	465	288	
Fulton		178	4
Gibson.	. 1,247	89	1
Grant. Greene.	2,575	4	
Hamilton	805		
Hancock	516	• • •	• • •
Harrison	429 458	6	1
Hendricks. Henry.	1,544	• • •	
Howard. Huntington.	2,886	6 31	
		91	
Jackson Jasper		4	···i
Jay	. 1,024	9	
Jefferson Jennings	. 636		2 3
		•••	9
Johnson Knox Store	. 532	147	···i
Kosciusko	. 3,111	445 .	3
Lagrange. Lake.	. 938 5 174	168 1,414	3 37
Laporte	. 2,237	92 -	3
Madison	. 3,747	6	
Marshall	. 14,044	64 94	3 3
Martin.	. 232		1
Miami	. 1,712		
Monroe Montgomery			• • •
Morgan	. 657		• • •
Newton	. 233	49	
Noble	. 913	147	
Ohio. Orange.		4 2	• • •
Owen		ĩ	
Parke	. 622	11	
Perry	. 509	7	
Pike. Porter.		3 66	1
Posey			

COUNTY	Resident Hunting and Fishing	Non- Resident Fishing	Non- Resident
	9	9	Hunting
Pulaski	370	11	
Putnam	950	1	
Randolph	1,071	27	
Ripley		28	2
Rush	596	1	• • • •
Scott	109	3	6
Shelby	561	1	
Spencer			
Starke	543	60	2
Steuben	3,871	989	ĩ
St. Joseph	1.894	20	
Sullivan		2	
Switzerland.	60	2	• • • •
Tinneeree	1.569	19	
Tippecanoe		19	
Tipton	309	1	•••
Union	108	1	
Vanderburgh		1	
Vermillion	904	134	
Vigo	4.051	4	
		-	•••
Wabash		. 5	
Warren	214	5	
Warrick	912		
Washington	378	•••	•••
Wayne	2.230	18	2
Wells		10	
White	781	42	
Whitley		60	
Agents outside Marion County and in other States		3,504	
Total	127,306	9,651	97

LICENSES ISSUED BY COUNTIES AND AGENTS SHOWING GAIN OR LOSS OVER FISCAL YEAR 192

COUNTY Adams.	Fiscal Year 1920 583	Fiscal Year 1921 664	Gain 81	Loss
Allen Bartholomew Benton. Blackford	7,463 999 193 830	8,284 979 177 783	821	20 16 47
Boone. Brown. Carroll. Cass. Clark		662 136 311 2,737 1,182	86 66	419 47 96
Clay. Clinton. Crawford. Daviess. Dearborn.	1,236 1,023 193 731 765	1,582 943 152 1,056 981	346 325 216	80 41
Decatur. Dekalb Delaware Dubois. Elkhart	2,757 730	761 2,292 2,856 874 2,910	43 98 99 144	···· ··· 2
Fayette Floyd. Fountain Franklin Fulton	1,399 556 446	954 1,568 415 753 1,824	169 307 314	142 141
Gibson. Grant. Greene. Hamilton Hancock.	3,020 1,529 810	1,337 2,581 1,655 805 516	126	83 439 5 18

COUNTY	Fiscal Year 1920	Fiscal Year 1921	Gain	Loss
Harrison . Hendrieks . Henry . Howard . Huntington .	585 604 1,786 2,442 2,258	436 458 1,544 2,892 2,242	450	149 146 242
Jackson Jasper Jay Jefferson Jennings	973 371 1,179 451 459	892 454 1,033 638 301	83 187	81 146 158
Johnson. Knox. Kosciusko Lagrange. Lake.	388 1,356 3,635 1,172 5,347	532 1,622 3,556 1,109 6,625	144 266 1,278	79 63
Laporte Lawrence. Madison Marion Marshall	4,306 12,718	2,332 1,555 3,753 14,111 1,821	304 1,393	553 60
Martin. Miami. Monroe Montgomery. Morgan	162 1,827 998 1,388 511	233 1,720 929 1,320 657	71 146	107 69 88
Newton Noble. Ohio. Orange. Owen	256 1,022 45 397 438	282 1,060 59 673 443	26 38 14 276 5	
Parke Perry Pike Porter Posey.	466 409 310 1,016 660	633 516 686 783 914	167 107 376	233
Pulaski. Putnam Randolph Ripley Rush	417 761 1,000 448 578	381 951 1,098 778 597	190 98 330 19	36
Scott	106 867 351 598 2,360	118 562 525 605 4,861	12 174 7 2,501	305
St. Joseph Sullivan Switzerland Tippecanoe Tipton	2,792 1,309 33 1,756 410	1,914 1,507 62 1,588 370	198 29 	878 168 40
Union Vanderburgh Vermillion. Vigo.	156 2,170 1,100 3,355	109 3,142 1,038 4,055	972 700	62
Warren Warrick Washington	1,415 268 459 472	1,486 219 912 378	71 453	49
Wayne Wells White. Whitey	2,321 929 987 706	2,250 781 823 896	190	71 148 164
Agents	3,668	3,504 137,054	14,770	6,014
	,	,		

ARRESTS AND CONVICTIONS

In the fiscal year 1921 a total of 1,487 arrests were made of persons who violated the laws for the protection of fish, game, fur-bearing animals and birds. The number of persons convicted was 1,387; the number acquitted was 64, and the cases remaining untried number 36. The amount of fines and costs assessed against violators was \$32,147.81. By comparing these figures with results in 1920, it will be noted that a gain of 66 was made in the number of arrests, 62 in convictions, and the number acquitted and left untried was almost the same.

SALARIED AND NON-SALARIED GAME WARDENS

The maximum number of game wardens employed in 1921 was never more than twenty-six. Only thirty-seven arrests and convictions were made by others than the regular wardens. Past experiences show that non-salaried officers seldom arrest anyone. Actual enforcement of the game and fish laws is brought about by salaried game wardens. Only sixteen of the arrests made in 1921 were made by the forty-five persons holding non-salaried commissions, and these were made by two who worked together. This shows their inactivity. In some respects the appointment of non-salaried wardens is a detriment to the department. Not being required to report weekly on their movements, as is required of all salaried wardens, the actual patroling they do can not be ascertained. Unless especially qualified and greatly interested in the enforcement of the game and fish laws, it would be best not to appoint such wardens. Simply having a badge to show authority and never exercising any, does the department no good. Mistakes of judgment, or a false arrest, may result in involving them and the department in trouble, and besides cause the department to lose the confidence of the people, which it now largely enjoys. The high plane upon which the present warden force has been established and conducted is a credit to the state. Every safeguard is being employed to keep it so. The dignity given the warden service by having the director of the department in immediate charge has much to do with its standard and efficiency. The standing of each man per arrests and convictions is compiled each month. Wardens who show no ability are discharged. The cost per man to the department is figured annually. This shows the relative worth of each warden. The following table shows the number of arrests and convictions made during the fiscal year, also the number of dismissed and pending cases, along with the total fines and costs assessed:

1920	Arrests	Convictions	Acquitted	Pending	Fines and	Costs
October	130	127	3	0 .	\$2,574	06
November	302	291	9	2	6,071	05
December	125	123	2	0	2,788	10
1921						
January	59	48	11	0	1,265	95
February	22	19	3	<. 0	430	80
March	64	55	3	.6	1,273	65
April	81	71	5	5 .	1.950	70

May	151	142	6	3	3,220 45
June	157	147	8	2	3,267 80
July	132	126	3	3	3,943 35
August	134	115	10	. 9	2,717 85
September	130	123	1	6	2,644 05
				-	
	1.487	1.387	64	36	\$32,147 81

The average of convictions per arrests, 93 per cent.

RECORD OF ARRESTS, CONVICTIONS AND AMOUNT OF FINES AND COSTS FOR THREE PRECEDING YEARS SHOWING COMPARISONS

	Arı	rests C	Convictions I	Tines and (Costs
1918		369	347 .	\$7,303	00
1919	8	300	713	16,300	15
1920		21	1,325	32,585	44
1921		187	1,387	32,147	81

Note—The year 1918 and first half of 1919 were under the former fish and game department. The years 1920 and 1921 were wholly under the Division of Fish and Game.

The following is a list of offenses committed showing arrests, convictions, cases dismissed and pending, and total fines assessed for fiscal year 1921:

		1		
OFFENSE	Arrests	Convictions	Dismissed	Pending
OFFERDE	Allesia	Convictions	Disimsseu	renumg
			1	-
Hunting and fishing without license	434	415	19	
Taking fur-bearing animals out of season	233	226	4	3
Having illegal seines in possession.	195	180	9	6
Hunting on Sunday	106	105	1	0
Seining fish unlawfully	60	44	ĥ	10
Taking undersized bass.	58	57		ı
Having spears in possession	58	54	1	3
Hunting with ferrets.	37	37	*	
Hunting without permission.	32	28	4	
Having fish trap in possession.	30	28	9	
Taking bass in closed season.	29	29	-	
Harboring ferrets without permit	29	22	1	6
Killing squirrels out of season	26	25		i
Taking undersized game fish	25	24	1	•
Pursuing and killing deer	20	10	10	
Taking bluegills in closed season	17	17		
Shooting on public highway.	17	17		
Taking fish illegally	14	14		
Dynamiting fish	11	4	3	4
Hunting in closed season	11	11		l
Killing wild birds	8	6	1	1
Spearing fish	7	6		1
Using more than one trot line	6	6		
Killing quail out of season	5	5		
Killing waterfowl in closed season	4	3	1	
Shooting before sunrise and after sunset	2	2		
Taking fish with the hands	2 2 2 2	2		
Selling game fish	2	1	1	
Trapping without written permission	2	2		
Placing an obstruction in a stream		1		
Using floating devices	1	1		
Dynamiting a fox's den	1	1		
Possession pheasants without a certificate	1	1		
Killing squirrels within one-half mile State Park	1	1		
Injuring property while hunting	1	1		
Using a hedge to catch fish	1	1		
m . I	4 405	4.00	24	40
Totals	1,487	1,387	64	36

Fines and Costs in 1,387 cases......\$32,147 81

FISH CULTURAL OPERATIONS

(Interest of the Public)

The propagation of fish and the stocking of the waters has become the most popular branch of the division's work. The number of applications for fish filled as reported by the superintendent of state fish hatcheries, shows an increase over the number filled the year before. The greatest demand continued to be for the black basses, with the bluegill second in popularity. Four fish hatcheries are operated by the division. They are located in the following counties: At Tri-Lakes, in Whitley county; at Lake Wawasee, in Kosciusko county; at Bass Lake, in Starke county, and in Riverside Park at Indianapolis, in Marion county. The Tri-Lakes station has six ponds; Wawasee, fifteen; Bass Lake, eight, and the Riverside station, Indianapolis, has twenty-six. kinds of fish reared during the season of 1921 were the two species of black bass, the bluegill, wall-eyed pike, crappie and yellow perch. All of the species named were hatched in ponds except the wall-eyed pike and the yellow perch, which were artificially hatched in jars. The eggs of the other species can not be secured or hatched in similar fashion.

The rearing of fish by the division is a paying enterprise. The fish planted in 1920 were estimated as having a commercial value of \$50,200. The number of fish reared was 771,266. During the past season the output was 10,836,857; their estimated value, \$22,948.00; although the number of fish propagated was far larger their size made them less valuable. In 1920 the cost of operating the hatcheries was \$19,825.20; in 1921, \$21,301.08. The increased cost in 1921 was due to improvements made at the hatcheries. The number of fish reared at the various hatcheries and an itemized list showing the distribution thereof are reported upon in later pages of this report by George Berg, superintendent of state fish hatcheries.

STATE FAIR EXHIBIT

The exhibit this division makes at the Indiana State Fair annually is one of the most attractive on the grounds. During the busy days at the fair several thousand people pass through the exhibit hourly. Live fish in glass tanks and game birds native to the state in cages are displayed. The purpose of the exhibit is to educate both young and old of the necessity of conserving and protecting the state's remaining wild life.

MOTION PICTURES

To give the general public a better knowledge of the duties this division has to fulfill, and how they are executed, moving pictures have been taken of two important branches of its work. These are fish propagation and the work of the warden service. Seven reels of films are the property of the division. These are for free exhibition wherever and whenever they are wanted. Responsible clubs, or associations organized for wild life protection will be loaned the pictures without cost if assurance is given that they will be properly displayed and promptly returned. Preference will be given to clubs and associations affiliated with the Indiana Fish, Game and Forest League.

FISH, GAME AND BIRD PROTECTIVE ASSOCIATIONS

Indiana has taken the lead in fostering the organization of fish, game and bird protective associations. One of the duties of the fish and game division is to encourage and assist in the organization of such associations, such duties being imposed upon it by the act creating the department. This branch of the work is in charge of Andrew E. Bodine of Marion, Indiana, who carries the title of state organizer. One hundred and twenty-four clubs and associations are now listed in the office of the fish and game division. The state organizer keeps in direct touch with these organizations. In consequence, they exert a powerful influence toward a better observance of the game and fish laws, especially in the localities where they exist. Organizations for the protection of fish, game and birds exist in eighty-eight of the ninety-two counties of the state, some counties having several clubs or associations. The combined membership of all organizations is estimated to be about twentyfive thousand. Almost without exception, these organizations interest themselves in stocking pends, lakes and streams. They also add their influence in preventing stream pollution. The division has made it a policy to give preference to applications for fish sent in by organized bodies. A letter carrying information on wild life conservation is sent out monthly. Sportsmen have come to realize that the fish and game division needs more than financial support; it needs also active and moral support. The wiser ones know that inasmuch as they help to decimate wild life, it becomes a part of their duty to see that it propagates and is not taken wastefully. The greedy game hog and fish pirate are slowly but surely becoming less in number. The bluffs and threats formerly made by violators have ceased to be numerous or to scare people. lators now know this, and the scare has been turned in the other direction. The report of the state organizer, covering his work in 1921, and a list of clubs and associations now existing in the state form a valuable part of this report. The state organizer for the department is also secretary of the Indiana Fish, Game and Forest League. The league is recognized by the division of fish and game as the official state sportsmen's organization. At a meeting of the league held in October, 1920, the division of fish and game took up matters with it pertaining to changes in the game and fish laws. During the legislative session which followed the league rendered valuable service in securing the passage of the new acts now on the statute books.

NEW FISH AND GAME LAWS PASSED BY THE 1921 LEGISLATURE

The legislature of 1921 enacted three new laws and amended two former acts for the protection of fish, game and fur-bearing animals. Two of the new laws affect fishing and one regulates the harboring of ferrets. The new fish laws are a closed season on black bass and bluegills from April 30th to June 16th, and one regulating ice fishing in the inland lakes. Amended laws were those regulating fishing with trot-lines and floating devices, and the law protecting fur-bearing animals.

COMMENT ON NEW LAWS PASSED

Closed Season on Bass and Bluegills

By passing the act providing for a closed season on both species of black bass and the bluegill, the legislature of 1921 showed great wisdom. It recognized the necessity of protecting fish during a time when protection is really needed, namely, during the spawning period. The important reproductive period for black bass and bluegills is between April 30th and June 16th, dates set down as closed in the new law. Formerly during this period anglers were busy taking them off their beds, and there was no law to prosecute them for doing so. The object of the new law is to stop this unsportsmanlike and unnatural practice, and to see that the fish are allowed to reproduce themselves without molestation. The early spawning of black bass and bluegills which expose themselves in spawning more than other game fish do, seldom amounts to much. When spawning early, females seldom deposit all of their eggs; this, added to the destruction caused by declining temperatures causes many nests to go for naught. Male bass leave their beds when the temperature drops below 50. As the season advances more and more eggs become ripe in the females and when deposited and finally hatched produce a far greater number of fish to the nest. Experience gained at the state fish hatcheries proves that the most important spawning time for black bass is in the early or middle part of May. Bluegills begin to spawn several weeks later. That the protection afforded these fishes during their important spawning period has done tremendous good, is evidenced by the report of anglers who fish with live bait. Many of them state that in seining for bait they invariably find young bass in their seines. This tends to show that reproduction has taken place. While some of the seined fish may have been planted by the state, yet the bulk of them must have been produced in the stream itself through the spawning of parent fish inhabiting it. The spawning season of bass for the year 1921 will long be remembered as the best in a generation. Two years hence, when this year's hatch have grown to a lawful size, fishing for bass should be excellent. Being the most highly esteemed fish we have in Indiana waters, it is well to offer them every protection. Any attempt to repeal this law should be fought with vigor by all true sportsmen. The principle involved of affording protection while spawning might well be applied to other valuable species also.

FISHING THROUGH ICE

The law restricting fishing through the ice in the inland lakes was passed to protect the fish in them from the spearer and netter. To apprehend such violators has been difficult, as they carried on their operations from within a house or shanty placed over holes. These obstructed a full view of their operations. The new law makes it unlawful to place a house or shanty over a hole in the ice, or to fish within such a structure placed on the ice. It also restricts the number of holes one may fish through, two being the limit. No hole dare be larger than two and one-half feet in diameter, and one line with one hook attached may be used in each hole. Bass Lake, the only lake in the state in which

ice fishing is entirely prohibited, remains closed as formerly, the new law not affecting its status. This lake has no doubt been greatly benefited thereby, and similar protection to the other lakes would tend to better fishing in the spring and summer. Fish caught during the winter are seldom caught for sport. They are more frequently taken for meat or for commercial purposes. The new law will tend to reduce the number of fish caught through the ice, and therefore be a benefit to those who fish when the weather is pleasant. The law is in the interests of fish conservation and should not be repealed as was done by former legislators some years ago.

ELIMINATION OF TROT-LINES AND SET-LINES FROM LAKES AND THE DOING AWAY WITH FLOATING DEVICES

Fishing with a trot-line or set-line in an inland lake was made unlawful but not eliminated from streams. It is the lazy man's style of fishing and often employed by persons who commercialize their catch. Like money loaned out at interest, a line of this kind works day and night. Doing away with them in lakes has saved thousands of bluegills, the species most frequently caught. No real angler cares to catch fish with a trot-line. Their use in streams is still permitted, but one to a person is all that is allowed. No hooks less than a half inch, and no more than fifty of any kind dare be placed thereon. There is some reason for allowing trot-lines or set-lines in streams. Farmers have little time to fish with a pole and line if what they claim is true. A trot-line or set-line in a stream adjacent to a farmer's land will supply him with plenty of fish. There is another reason for permitting trotlines to be used in streams with some leniency. Streams are not always clear, nor in a condition to fish. Lakes usually are; therefore, a trotline set in a lake is apt to catch fish more readily.

The section of law permitting fifteen bottles or other floating devices in fishing was repealed, and fishing of this kind made unlawful. In this day and age no one should be allowed to fish with more than a small number of lines and hooks. Fishing with fifteen hooks, attached to bottles and other floating devices was the favorite sport of the fish hog and commercial fisherman at most of our lakes. The elimination of this style of fishing can not help from being beneficial. It has the effect of giving the legitimate fisherman who fishes with one or two fish rods or poles a chance to catch something. Catching fish by any method other than with pole and line is now unlawful in lakes. With fishing restricted to such a method the chances of a person catching something are vastly improved.

NEW LAW REGULATING THE HARBORING OF FERRETS

Under a law passed by the last legislature it was made unlawful for any person to harbor or have in his possession, any ferret or ferrets in this state, without procuring a permit therefor from the Department of Conservation. The law authorizes the department to issue permits under such regulations as in its discretion, it may make, and to charge and receive for such permit such fee as such regulations provide. The

Conservation Commission has ruled that a fee of \$10.00 be charged persons who harbor a single ferret, and a further fee of \$5.00 for each additional one. The purpose of the act was to register all persons harboring or possessing ferrets, thereby affording rabbits better protection. The majority of rabbits hunted in the state are killed after being driven from their holes with ferrets. Game wardens found it difficult to apprehend violators under the ferret act making their use unlawful, but now that possession without permit is unlawful, far less hunting with ferrets is indulged in. No permit is issued by the division of fish and game unless the applicant signs a petition stating the exact purpose for which the ferret or ferrets are to be used, and such purpose must be of a lawful nature. Very few permits have been issued, which would tend to show their number has decreased.

CHANGES IN THE FUR-BEARING LAWS

Several changes were made in the fur-bearing laws which were greatly needed. These are of special interest to the men who hunt and trap fur-bearing animals. Very important changes were made in the opening and closing dates, the closed season now extending from February 10th to November 10th on all fur-bearing animals alike, except beaver and otter, which the legislature protected by a perpetual closed season. Mink and muskrat, which could formerly be taken from November 1st to March 31st, cannot be taken now until November 10th, nor after February 10th. Raccoon, skunk, oppossum and fox, formerly protected from February 2d to November 20th, can be taken ten days sooner and eight days later. The changes in dates were made to do away with the opportunity to violate the law which the former dates on mink and muskrats provided. By making the opening and closing dates the same on all, no excuse can be given for having a protected animal in possession after February 10th, or before November 10th. Under the present law each hide or fur unlawfully taken constitutes a separate offense and the person offending may be convicted for each animal, hide or fur unlawfully taken or held in possession. Under a new clause hides and furs unlawfully taken now become the property of the state. Clauses in the law were inserted giving the department the power to issue permits to persons desiring to hold animals lawfully taken in open season to hold them for breeding purposes, and requiring persons killing animals doing damage to property in closed season, to notify the department of the fact, so it may arrange for the disposition of the hide or fur. clauses were inserted to do away with the incentive to kill animals out of season, or to take or kill them under the pretext that they were being held for breeding purposes, or killed while doing damage to or destroying property.

GAME EXPERIMENT STATION

On November 1, 1919, a game experiment station was established on the farm of Frank G. Hasselman, at Bluff Mills, in Montgomery county, for the purpose of making experiments in game breeding. The main object was to secure data, based on actual experiments, for publication. Such experiments have been made. The object of the station

ANATON TO THE COLOR OF THE COLOR	WHI	TE SP	ACE, 0	WHITE SPACE, OPEN SEASON	ASON		DA	RK SP	DARK SPACE, CLOSED SEASON	SED	SEAS	No
UPEN AND CLUSED SEASONS IN INDIANA	JAM.	JAN. FEB.	MAR.	APRIL I	TAY	JUNE	Jury 1	Jug. 12	MAR. APRIL MAY JUNE JULY AUG. SEPTI OCT. NOV. DEG.	T. N	ov.	EG.
Deer, Wild-Thirkey, , Pheasants, Beaver, Ofter.												
Quail and Ruffed Grouse,											NONZO	०२ २३व
Prairie Chicken					21 E E E			3	31.4	SF220		
Duck, Geese, Brant (except Wood Duck)		X		Y Co	7. A.			0. fa fi	98:2025			
Godts, Gallinules, Plover, Jack Snipe, Wilson Snipe, Greater and Lesser Yellow Legs.						- (4) - (4)			91.1435		一	Q2 3.31Z
Woodcoak							概 10					
Rails												
Rabbits	arwyo									\vdash		
Squirrels					4							
Mink, Muskrat, Opossum, Skunk, Raccoon, Fox.		a 924			1112		1				OI NON	
Black Bass, Blue Gills.						יזיאר ופ						
Trout.												
Dove and other wild birds except Game Birds and those mentioned below:		12			100		13					
English Sparrow, Black Birds, Grows, Hawks and other Birds of Press										\exists		

has been met and the station closed on November 1, 1921. The experiments carried on by Mr. Hasselman, who was in charge of the work, proved less successful than was expected. Based on the state's experience in this venture, I would say that game breeding is too expensive to be carried on by individuals, and far less practical than is generally supposed.

PREVALENCE OF QUAIL AND OTHER GAME

There has been a very noticeable increase in the number of quail in the state. Reports received by the division show that covies are found on farms formerly entirely absent of them. The birds seem to be everywhere, no part of the state showing any greater number than the other. The cause for the increase can be attributed to the better protection afforded by the farmer and the game wardens, and by favorable weather conditions. Many persons claim there are more quail in the state this year than for twenty years. Rabbits and squirrels have also been plentiful this year. The possession of a ferret being unlawful except under a \$10.00 permit, persons hunting rabbits with a ferret in violation of the law will be fewer in number. This will tend to better rabbit hunting in the future.

COMMENT ON LICENSE SALES AND THE PRESENT LICENSE LAW

Notwithstanding the fact that all honorably discharged soldiers, residents of the state, have been given the right and privilege to hunt and fish without a license, should they care to do so, the license sales of the division have increased. The gain made in such sales in the fiscal year 1921 was 8,756. The sales of licenses in the several counties of the state showed a great fluctuation from the sales recorded in the year previous. In 1920 only six counties showed losses. In the fiscal year just closed, forty-three counties recorded losses, yet the aggregate number sold exceeded that of the year before. Southern counties maintained sales better than northern counties.

Figuratively speaking, only four per cent. of the population of the state take out a license to hunt and fish. Wild animals, birds and fish roaming at large, here today and somewhere else tomorrow, are the property of no one in particular, but are owned collectively by all of the residents of the state. The people have, through their legislators, designated the Department of Conservation to protect their resource. Inasmuch as all residents have equal rights and ownership in it, they should likewise have equal privileges to take it. This is not the case, however, as far more persons hunt and fish without a license than buy them. Making the few pay and allowing the bulk to fish and hunt free, is not just. Paying a dollar for a license to hunt and fish is certainly little enough considering the amount and value of the wild life it permits the licensee to take. If one figures the number of fish, game and fur-bearing animals a person can kill each day in open season on the present dollar license, and computes their value for a year, it astonishes one to think that such liberal privileges would ever be extended. Present privileges are not in the interest of conservation. If not curtailed soon, they are bound to lead to decimation. To conserve that which is still here,

the surplus propagated each year should be all that is taken. To take more reduces the brood stock. Therefore, to safeguard we must have smaller bag limits and longer closed seasons. Doubling the price of the present license and making them good only in the year of issue would be to the better interests of conservation, as it would cut down the number of persons who hunt and fish, and thereby help to preserve wild life.

The reports of the superintendent of state fish hatcheries and the state organizer follow in later pages of this report.

REPORT OF THE SUPERINTENDENT OF HATCHERIES

The season of 1921 was a favorable one for the hatching of pikeperch and yellow perch in the early spring, but the extremely hot weather during and immediately following the spawning period for pond fishes proved disastrous to the eggs and fry of the basses, sunfish and crappie. Our output of the pond fishes was very limited as a result of this loss, and the distribution of these species was confined principally to public waters, especial consideration being given to the applications of fish and game protective associations. Three hundred ninety-nine applications were filled during the season.

The closing of our files on April 1st for applications to be filled during the past season has resulted in an accumulation of a large number of applications received after that date, which will be given first consideration in the distribution of 1922. This practice will be continued for the succeeding seasons, as it enables us to arrange our allotments to each applicant early in the season and eliminates the confusion caused by having to rearrange them to include those received later in the season.

During the period of extreme heat in June and July a number of fish were rescued from various waters, some of which were in danger of drying up while others were being drained for some purpose or other. Anyone having knowledge of conditions existing where fish are in danger of perishing through lack of water or other causes should notify the division of fish and game, so that steps may be taken to rescue them.

In former years the pike-perch eggs which were hatched at our state hatcheries were obtained from the United States Bureau of Fisheries, but it has become the policy of the bureau to hatch practically all of the pike-perch eggs at the government stations and use the fry to stock the large lakes where commercial fishing is done. Therefore, we were obliged to secure our supply from some other source. Through the courtesy of the Michigan Fish Commission we were able to buy from the W. P. Kavanaugh Company of Bay City, Michigan, which operates a fleet of fishing vessels in Saginaw Bay, one hundred quarts of eggs from which was hatched 9,900,000 fry, which is almost a fiftyseven per cent. hatch. Pike-perch eggs run 175,000 to the quart, and a fifty per cent. hatch is usually considered very good. Pike-perch are almost always planted as fry, as it is generally considered a fish unsuited to pond rearing on account of its voracity. However, in an experiment tried this season at our Riverside hatchery, we were successful in rearing to the No. 2 and No. 3 fingerling stage, 1,325 of these This is no great number, but the experiment proves that under suitable conditions these fish can be handled like other pond fish.

We also obtained two hundred yellow perch spawners of the large type from the above named company. These fish were placed in ponds and allowed to spawn naturally. In addition to the eggs which were allowed to hatch in the ponds to be reared to fingerling fish, we collected a surplus of eggs which were hatched artificially and from which we planted 632,000 fry.

Fish transferred from large waters to the confines of a small hatching pond do not as a rule long survive the spawning season, and only a few are saved over the year. Consequently our supply of yellow perch spawners must be renewed each spring. We consider it a good policy to use fish for spawning purposes which are caught in waters some distance away from our own, as it furnishes a new strain of blood, the influence of which when intermingled with that of our native fishes tends to increase the size and vitality of the stock, especially so when the fish are of the larger type. Some of the yellow perch spawners we secured from Saginaw Bay last spring would weigh two pounds; the average weight of the lot would be about one pound.

If possible we will get our supply of pike-perch eggs and yellow perch spawners from the same district again next year.

The season of 1921 was the best in many years for the natural reproduction of fish in the open waters. Reports are received from all parts of the state that the streams and lakes are fairly teeming with young fish of all species.

During the spawning period in April, May and June the streams were singularly free from freshets which is the principal disturbing force to fish nests, especially those of the game fish. While the temperature was higher than usual during this period it remained fairly even, which is another factor of importance. The young fish were full of vitality when hatched and found a plentiful supply of food awaiting them. They took on growth rapidly and I believe that a larger percentage of the young fish obtained the fingerling stage this year than is ordinarily the case.

On June 19th I visited the Salamonie River in Huntington county and noticed that the young small-mouth bass, then about one and one-quarter inches long, were very numerous on all of the riffles. I counted over fifty of them on one small riffle, and no doubt there were that many more there hiding among the rocks that I did not see. I also saw this on a number of other streams and reports are that the condition is general, all of which means that we should have some mighty good fishing in the next few years.

In the tables following is given a complete list of fish plants made from the state hatcheries, summaries of the fish reared at each station, a summary by species of the total number of fish reared at the state hatcheries, and summaries of the fish propagated and planted by the fish and game protective associations which operate hatcheries. Also a summary by species of the fish distributed in Indiana by the United States Bureau of Fisheries, and a summary by species of the total distribution of fish by the United States Bureau of Fisheries for the fiscal year ended June 30, 1921.

1	\$2000000000000000000000000000000000000
Date	Apr. Aug. Aug. Aug. Aug. Aug. July July July July July July July July
Number	200,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,50
Size	HIT MARARAMETA RARATARATATATATATATATATATATATATATATAT
Kind	Pike-perch. I. M. Bass. Bluegills. Fike-perch. I. M. Bass. S. M. Bass. S. M. Bass. S. M. Bass. Bluegills. Pike-perch. Pike-pe
Applicant	O. H. Odell. Adams Co. Fish and Game Assn. Adams Co. Fish and Game Assn. M. Bernnenan Nor. Ind. Fish and Game Assn. G. T. Lewis. Boone Co. Fish and Game Assn. F. H. Dum. F. H. Dum. F. H. Kraning G. A. Wignore Carroll Co. Fish and Game Assn. Dr. J. H. Kraning G. A. Wignore C. E. Griffith Clay Co. Fish and Game Assn. John Dellacea. Geo. H. James E. B. Vincent E. R. Behliner D. W. Weaver D
Water	St. Mary's River Lagoon Lagoon Lagoon Bieberstein Pit St. Joe Kirver Sugar Creek Sugar Creek Sugar Creek Sugar Creek Sugar Creek Sugar Creek Big Eagle Creek Wabasi River Lake Citott Lake Citott Lake Citott Big 4 Reservoir Eel River Eel River Eel River Eel River Big 4 Reservoir Big 4 Reservoir Big 4 Reservoir Big 4 Reservoir Eel River Halsakamp Quarry Mississinewa River Mississinewa River Mississinewa River White River White River White River White River
County	Adams. Adams. Adams. Adams. Adams. Alam. Barholomew Boone Boone Boone Boone Boone Gorne Decatur Deca

PLANTINGS MADE SEASON 1921—Continued

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Date	Sept. Sept. Aug. Sept. Sept. July July July July July July July July
Number	300 1,500 4,000 4,000 1,
Size	7% 7 17% 3 17% 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Kind	L. M. Bass Bluegills. Bluegills. Bluegills. Bluegills. Bluegills. Bluegills. S. M. Bass S. M. Bass L. M. Bass L. M. Bass Crappie S. M. Bass S. M. Bass Crappie S. M. Bass L. M. Bass
Applicant	R. C. Schell. R. C. Schell. R. C. Schell. R. C. Schell. St. Joe Valley Fish and Game Assn. St. Joe Valley Fish and Game Assn. St. Joe Valley Fish and Game Assn. G. E. Harmon. Floyd Co. Fish and Game Assn. Floyd Co. Fish and Game Assn. Franklin Co. Fish and Game Assn. Lake Manitou Protective Assn. Lake Manitou Protective Assn. Lake Manitou Protective Assn. Lake Manitou Protective Assn. Lake Bruce Assn. J. W. Koch. J. W. Koch. J. W. Koch. J. W. Koch. J. W. Kowl. J. O. Ewyls. Wm. M. Jones
Water	Simonton Lake Indiana Lake Indiana Lake Indiana Creek Coal
County	Elkhart Floyd Floyd Floyd Floyd Frankin Grant Grant Grant Grant Grant Grant Grant Grant Grant

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L. M. Bass. Crappie. S. M. Bass. S. M. Bass. S. M. Bass. Bluegills Bluegills L. M. Bass. Crappie. L. M. Bass.
Fish and Game Assn.
Fish and Game Assi.
B. Hill B. Hill L. L. Hindman D. L. Cox D. Neidig. L. D. D. Neidig. M. Overman R. Overman R. Overman M. Overman R. Overman R. Overman R. Overman R. Overman M. Overman R. Overman R. Overman R. Overman R. Overman R. Overman R. Myers P. Sish and Game Assurison Co. Fish and Game Assuring Co. Fish and Game Assurence Co. Fish and Game Assurenting Co. Fish and Game Assurention Co. Fish and Game Assurenting Co. Fish and Game Assurenting Co. Co. Fish and Game Assurent Fish and Game Assurenties Co.
S. B. Hill. S. B. Hill. M. L. Hindle M. L. Hindle M. L. Hindle M. E. Davis M. E. Davis M. E. Davis Hancock Co. Harrison Co. Hancock Co. Henry Co. Huntington
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Birker F F F F F F F F F F F F F F F F F F F
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Swan's Pit. First Creek. First Creek. First Creek. Plummer Creek. Plummer Creek. Richland Creek. Brandywine Creek. Fond. Fond. White Lick Creek. Elyen. Greek White Lick Creek. White Lick Creek. White Lick Creek. Elyen. Jones Pit. Gravel Pits. Salamonie River. Elyer White Riv. Elyer White Riv.
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Grant. Grant. Grant. Grant. Greene. Greene. Greene. Greene. Greene. Greene. Hancock Henry
Green Green Green Green Green Green Green Green Green Hance Henry Hunt Hunt Hunt Hunt Hunt Hunt Hunt Hunt

PLANTINGS MADE SEASON 1921—Continued

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Date	Apr. Apr. Apr. Apr. Apr. Apr. Apr. Apr.
Number	600,000 400,000 1250
Size	N N N N N N N N N N N N N N N N N N N
Kind	Pike-perch Crappie Pike-perch Pike-perch Crappie Crappie Crappie L. M. Bass Bluegilis Goldish Goldish Goldish Goldish Goldish L. M. Bass Bluegilis L. M. Bass E. M. Bass
Applicant	Jackson Co. Fish and Game Assn. Jasper Co. Fish and Game Assn. Jasper Co. Fish and Game Assn. W. A. Guthrie. W. A. Guthrie. W. A. Guthrie. W. A. Guthrie. E. E. Chenoweth E. E. Chenoweth B. E. Chenoweth B. E. Chenoweth Co. Fish and Game Assn. Jennings Co. Fish and
Water	E. Fork White River E. Fork White River Iroquois River Iroquois River Guthrie's Pond Guthrie's Pond Guthrie's Pond Guthrie's Pond Muscatatuck River Food Muscatatuck River Muscatatuck River Sand Creek Sand Creek Sand Creek Single Lake Fidinger Lake Fider Fi
County	Jackson Jackson Jackson Jasper Jefferson Jeferson Jefferson Jeffer

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Aug. Sept. Aug. Aug. Sept. Aug. Aug. Aug. Aug. Aug. Aug. Aug. Aug.
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Bluegills. Yel. perch. Yel. perch. Bluegills. L. M. Bass. L. M. Bass. L. M. Bass. Bluegills. Bluegills. Bluegills. Bluegills. L. M. Bass. S. M. Bass. L. M. Bass. S. M. Bass. S. M. Bass. L. M. Bass. S. M. Bass. L. M. Bass. S. M. Bass. L. M. Bass. L. M. Bass. S. M. Bass. L. M. Bass.
Walter Kintzel Walter Kintzel Walter Kintzel Walter Kintzel C. J. Leonard C. L. Leonard C. L. Leonard Wabsah Fish and Game Assu. Wm. M. Good F. M. Brown. Koseiusko Co. Fish and Game Assu. Koseiusko Co. Fish and Game Assu. Koseiusko Co. Fish and Game Assu. K. M. Brown. K. R. Hildenbrand A. J. Yoder. B. R. Hildenbrand A. J. Yoder. B. W. Hildenbrand A. J. Yoder. B. W. Hildenbrand A. J. Yoder. B. Williams C. M. Harding C. M. Harding C. M. Kitchen S. S. Lants C. W. Ritchen S. S. Lants C. W. Kitchen J. R. Gable O. H. Gable O. H. Gable O. H. Gable O. U. Kitchen J. A. B. Color J. J. H. Roy J. J. H. Roy J. J. H. Roy J. J
Center Jake Schultz Lake Schultz Lake Schultz Lake Silver Lake Tellow Cr. Lake Per Lake Carr Lake Carr Lake Carr Lake Carr Lake Carr Lake Maubee Lake Wabubee Lake Wabube Lake Wabube Lake Wabube Lake Wabube Lake Silver Lake
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PLANTINGS MADE SEASON 1921—Continued

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Date	Aug. June June June June June June June June
Number	1,500 2,500 2,500 2,500 2,500 2,500 2,500 1,500 1,500 1,500 1,500 1,000 1,
Size	81111811118888888888888888888888888888
Kind	L. M. Bass Yel, perch. Yel, perch. Perch. Bass. L. M.
Applicant	Otto Frifield Swift & Co. Earl Currise LaPorte Co. Fish and Game Assu LaPorte Co. Fish and Game Assu LaPorte Co. Fish and Game Assu Earnest Kroll Earnere Co. Fish and Game Assu Earnest Kroll Earnere Co. Fish and Game Assu Earnest Kroll Earnere Co. Fish and Game Assu Stone City Fish and Game Assu D. B. Cole Colty Exing Club Indiana Fishing Club Indiana Fishing Club Indiana Fishing Club Indiana Fishing Club Maxinkuckee Rod and Gun Club Maxin
Water	Fancher Take Fish Lake Hudson Take Hudson Lake Hudson Lake Hudson Lake Hudson Lake South Pure Lake Pure Lake Pure Lake Fittle Ramarack Lake Hidtebrand Lake Hidtebrand Lake Fork White River E Fork White River Cleatherwood Creek Guthrie's Creek Municipal Pond Maximkuckee Lake Maximkuckee
County	Lake LaPorte Lawrence Marion

Aug. Aug. Sept. Aug.	Aug.	Aug.	Aug.	June	June	June	June	June	Aug.	Apr.	Aug.	Aug.	Aug.	May	June	June	June	May	June	June	Ang.	Aug.	Aug.	Aug.	Aug.	Aug.	Aug.	Aug.	Aug.	Aug.	Sept.
1,600 1,000 1,500	200	200	100	250	1,000	350	1,000	1,500	2,000	2,000	200	002		12,000	2000	200		10,000		200	901	250	250	100	901	300	250	000	1001	001	000 6
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NXXXX O O O O O O O O O O	No.	No.	No. 2	No. 1	No.	No.	No. 1	No.	No.	No. 2	No. 1	No.	No. 1	Fry.	No. 1	No. 1	No. 1	Frv	No. 1	No. 1	No.	No. 2	No. 2	No.	No.	No.	No. 2	No.	No. 3	No. 3	No.
L. M. Bass. L. M. Bass. Bluegills L. M. Bass. L. M. Bass. Bluezills	S. M. Bass. Crappie	Crappie	BluegillsL. M. Bass	L. M. Bass	Crappie	S. M. Bass.	Crappie	Carp	Bluegills	Bluegills	Bluegills	L. M. Bass	Bluegills	Yel. perch	L. M. Bass	L. M. Bass.	L. M. Bass	Yel perch	L. M. Bass.	L. M. Bass	C M Bass	Crappie	Crappie	S. M. Bass	J. M. Bass	Crappie	Crappie	Crappie	L. M. Bass	L. M. Bass.	Coffish
U. G. Sonce. L. A. Silvey. Tippecanoe River Fish and Game Assu. Wm. W. Good.	Jno. French. Jno. French	N. A. Jettries. Roy O. Pike.	Roy O. Pike Roy O. Pike	W. W. Ashby	W. W. Ashby W. W. Ashby	W. W. Ashby.	W. W. Ashby	C. W. Stockdale	Will, II. Wigcoll F. A. Kincade	Jos. Clem	Jos. Clem	Jos. Viem.	Geo, M. Thomas	Sylvan Lake Improvement Assn.	Sylvan Lake Improvement Assu	A. H. Perfect.	Sylvan Lake Improvement Assn	Sylvan Lake Improvement Assn.	Sylvan Lake Improvement Assn.	A. H. Perfect.	Blish Monyhan	T. C. Davis	F. A. Roach	M. W. Hoggatt	C. A. Fancher.	I. Free	A. J. Rhodes.	W. A. Stuckey	W. A. Stuckey	Geo. G. Knoy.	Goo H Ismos
Twin Lakes W. Twin Lake W. Twin Lake Tippecanoe River Pipe Creek	Jack's Defeat. Jack's Defeat.	Leonard's Spring Reservoir	Leonard's Spring Reservoir.	Walnut Grove Pond	Walnut Grove PondRaccoon Greek	Raccoon Creek	Cornstalk Creek	Coal Creek.	Diamend Lake	Indian Village Lake.	Village	Indian Village Lake	Dear Lake Bear Lake	Sylvan Lake	Sylvan Lake	Gravel Pit Lake	Gravel Pit Lake	Gravel Pit Lake	Kane Lake	Kane Lake	Lick Creek	Lick Creek	French Lick Creek.	French Lick Creek	Patoka River.	Patoka River	Log Creek	Eel River	Eel River	Eel River	Mill Creek
Marshall Marshall Marshall Marshall Marshall Marshall				Montgomery	Montgomery	Montgomery	Montgomery	Montgomery	Noble	Noble	Noble.	Noble	Noble	Noble.	Noble	Noble	Noble	Noble	Noble	Noble	Orange	Orange	Orange.	Orange	Orange	Orange	Orange	Owen	Owen	Owen	Owen

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Date	Sept. 1 July 1 J
Number	250 250 250 250 250 250 250 250 250 250
Size	######################################
Kind	S. M. Bass. S. M. Bass. L. M. Bass. Crappie. Crappie. Grappie. Grappie. Bluegills. L. M. Bass. L. M. Bass. S. M. Bass. S. M. Bass. S. M. Bass. L. M. Bass. L. M. Bass. Crappie. Crappie. L. M. Bass. L. M. Bass. L. M. Bass. Crappie. Crappie
Applicant	Geo. H. James Philip White Philip White R. H. McNorton R. H. Morotron Pike Co. Fish and Game Assn J. R. Witters. C. L. Anderson J. M. Witters. C. L. Anderson J. M. Fletcher Putnam Co. Fish and Game Assn Ripley Co. Fish and Gam
Water	Raccoon Creek Lena Reservoir Lena Reservoir Lond Pound Pound Pound Hornady Park Lake Long Raver Long Reservoir City Reservoir Rond Pond Pond Pond Pond Pond Pond Rake Rock Right Rock Righ River Blue River Blue River Flat Rock
County	Parke. Pike. Parkam. Randolph. Rapley Ripley Riple

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S. M. Baas. L. M. Baas. L. M. Baas. Yel, perch. Bluegills. Bluegills. S. M. Bass. L. M. Bass. Bluegills. Bluegills. Bluegills. Bluegills. Bluegills. Bluegills. L. M. Bass. L.
Shelby Co. Fish and Game Assn. Shelby Co. Fish and Game Assn. Edmond Parrish Owner Thomas Basi Lake Business Men's Assn. Bass Lake Business Men's Assn. Same Liebling. W. W. Freuchtenicht W. W. Freuchtenicht W. W. Sharpless W. M. Sharpless Dr. W. A. Oliver Dr. W. A. Oliver Dr. W. A. Oliver Dr. W. A. Oliver Dr. W. S. Walters M. Southworth Wible Hinner Tippecance Co. Fish and Game Assn. Tippecance Co.
Plat Rock Grayo H. Grayo H. Chain Lake Chain Lake Groutz Lake Bass Lake Lake James Long Lake Fish Lake Fish Lake Fish Lake Fish Lake Fish Lake Fish Lake Chooked Lak
Shelby Shelby Shelby Shelby Shelby Shelby Sarke Sarke Sarke Sarke Sarke Sarke Sarke Sarke Skeuben

PLANTINGS MADE SEASON 1921—Continued

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Date	Appr. 1 July 1 Sept. 2 S
Number	400,000 1,000 1,500 1,500 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,25 1,25 1,25 1,25 1,25 1,25 1,25 1,25
Size	10011100000000000000000000000000000000
Kind	Pike-pereh Crappie L. M. Bass L. M. Bass L. M. Bass Bluegils Bluegils L. M. Bass S. M. Bass S. M. Bass L. M. Bass S. M. Bass J. M. B
Applicant	Vigo Co. Fish and Game Assn. C. W. Bauermeister Estate G. E. Hiester Mabash Co. Fish and Game Assn. Wabash Co. Fish and Game Assn. J. R. Wimmer J. R. Wimmer J. R. Washington Co. Fish and Game Assn. Washington Co. Fish and Game Assn. Washington Co. Fish and Game Assn. Calloway and Hunt Calloway and H
Water	Wahash River Pond. Eel River Loudens Lake Long Lake Long Lake Long Lake Long Lake River Blue River Blue River Blue River W. Fork Whitewater River Martindale Creek Martindale Creek Tri-Lakes Tri-Lakes Tri-Lakes Tri-Lakes
County	Vigo. Wabash Wabangton Washington Washington Washington Washington Wayne Wayne Wayne Wayne Wayne Wayne Wayne Wayne White

SUMMARY OF DISTRIBUTION BY SPECIES

Small-Mouth Black Bass—No. 1 Fingerlings. Small-Mouth Black Bass—No. 2 Fingerlings.	12,400	
Small-Mouth Black Bass—No. 2 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings.	$ \begin{array}{r} 6,870 \\ 1,800 \\ 200 \end{array} $	
Large-Mouth Black Bass-Advanced Fry	6,000 29,675	21,270
Large-Mouth Black Bass—No. 1 Fingerlings. Large-Mouth Black Bass—No. 2 Fingerlings. Large-Mouth Black Bass—No. 3 Fingerlings.	45,548	
Large-Mouth Black Bass-No. 4 Fingerlings	19,335 1,276 100	
Large-Mouth Black Bass—No. 6 Fingerlings. Large-Mouth Black Bass—No. 7 Fingerlings.	300	102,234
Bluegills—No. 1 Fingerlings Bluegills—No. 2 Fingerlings Bluegills—No. 3 Fingerlings	119,400 12,500 100	
Crappie—No. 1 Fingerlings	12,050	. 132,000
Crappie—No. 2 Fingerlings. Crappie—No. 3 Fingerlings.	7,450 50	10 550
Rock Bass—No. 3 Fingerlings		19,550
Rote Dass—No. 5 Fingerings. Pike-Perch—Fry. Pike-Perch—No. 2 Fingerlings. Pike-Perch—No. 3 Fingerlings.	9,900,000 1,175 150	200
Yellow Perch—Fry	632,000	9,901,325
Yellow Perch—No. 1 Fingerlings. Yellow Perch—No. 3 Fingerlings.	9,400 10,350	0.84
Catfish—No. 1 Fingerlings. Catfish—No. 3 Fingerlings.	5,000 2,000	651,750
Carp—No. 3 Fingerlings		7,000
Goldfish—Adults.		1,500
		40
		10 926 957
Total		10,836,857
		10,836,857
Total	921	10,836,857
Total	921 8,175 4,750 6,625	10,836,857
Total	921 8,175 4,750	
SUMMARY OF DISTRIBUTION, RIVERSIDE HATCHERY, 19 Large-Mouth Black Bass—No. 1 Fingerlings. Large-Mouth Black Bass—No. 2 Fingerlings. Large-Mouth Black Bass—No. 3 Fingerlings Large-Mouth Black Bass—No. 4 Fingerlings. Large-Mouth Black Bass—No. 6 Fingerlings. Small-Mouth Black Bass—No. 1 Fingerlings.	8,175 4,750 6,625 550 100 12,400	20,200
SUMMARY OF DISTRIBUTION, RIVERSIDE HATCHERY, 19 Large-Mouth Black Bass—No. 1 Fingerlings. Large-Mouth Black Bass—No. 2 Fingerlings. Large-Mouth Black Bass—No. 3 Fingerlings Large-Mouth Black Bass—No. 4 Fingerlings. Large-Mouth Black Bass—No. 6 Fingerlings. Small-Mouth Black Bass—No. 1 Fingerlings.	8,175 4,750 6,625 550 100 12,400 3,525 1,800	
SUMMARY OF DISTRIBUTION, RIVERSIDE HATCHERY, 19 Large-Mouth Black Bass—No. 1 Fingerlings. Large-Mouth Black Bass—No. 2 Fingerlings. Large-Mouth Black Bass—No. 4 Fingerlings Large-Mouth Black Bass—No. 6 Fingerlings. Large-Mouth Black Bass—No. 6 Fingerlings. Small-Mouth Black Bass—No. 1 Fingerlings. Small-Mouth Black Bass—No. 2 Fingerlings. Small-Mouth Black Bass—No. 3 Fingerlings. Small-Mouth Black Bass—No. 3 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings.	8,175 4,750 6,625 550 100 12,400 3,525 1,800 200	
SUMMARY OF DISTRIBUTION, RIVERSIDE HATCHERY, 19 Large-Mouth Black Bass—No. 1 Fingerlings. Large-Mouth Black Bass—No. 2 Fingerlings. Large-Mouth Black Bass—No. 3 Fingerlings Large-Mouth Black Bass—No. 6 Fingerlings. Large-Mouth Black Bass—No. 1 Fingerlings. Small-Mouth Black Bass—No. 1 Fingerlings. Small-Mouth Black Bass—No. 2 Fingerlings. Small-Mouth Black Bass—No. 3 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings.	8,175 4,750 6,625 550 100 12,400 3,525 1,800 200 11,900 2,200	20,200
SUMMARY OF DISTRIBUTION, RIVERSIDE HATCHERY, 19 Large-Mouth Black Bass—No. 1 Fingerlings. Large-Mouth Black Bass—No. 2 Fingerlings. Large-Mouth Black Bass—No. 3 Fingerlings Large-Mouth Black Bass—No. 6 Fingerlings Large-Mouth Black Bass—No. 6 Fingerlings. Small-Mouth Black Bass—No. 1 Fingerlings. Small-Mouth Black Bass—No. 2 Fingerlings. Small-Mouth Black Bass—No. 3 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings. Small-Mouth Black Bass—No. 5 Fingerlings. Bluegills—No. 1 Fingerlings Bluegills—No. 5 Fingerlings Bluegills—No. 1 Fingerlings Crappie—No. 1 Fingerlings	8,175 4,750 6,625 550 100 12,400 3,525 1,800 200 11,900 2,200	20,200
SUMMARY OF DISTRIBUTION, RIVERSIDE HATCHERY, 19 Large-Mouth Black Bass—No. 1 Fingerlings. Large-Mouth Black Bass—No. 2 Fingerlings. Large-Mouth Black Bass—No. 3 Fingerlings Large-Mouth Black Bass—No. 6 Fingerlings Large-Mouth Black Bass—No. 6 Fingerlings. Small-Mouth Black Bass—No. 1 Fingerlings. Small-Mouth Black Bass—No. 2 Fingerlings. Small-Mouth Black Bass—No. 3 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings. Small-Mouth Black Bass—No. 5 Fingerlings. Bluegills—No. 1 Fingerlings Bluegills—No. 5 Fingerlings Bluegills—No. 1 Fingerlings Crappie—No. 1 Fingerlings	8,175 4,750 6,625 550 100 12,400 3,525 1,800 200 11,900 2,200	20,200
SUMMARY OF DISTRIBUTION, RIVERSIDE HATCHERY, 19 Large-Mouth Black Bass—No. 1 Fingerlings. Large-Mouth Black Bass—No. 3 Fingerlings. Large-Mouth Black Bass—No. 4 Fingerlings. Large-Mouth Black Bass—No. 6 Fingerlings. Large-Mouth Black Bass—No. 1 Fingerlings. Small-Mouth Black Bass—No. 2 Fingerlings. Small-Mouth Black Bass—No. 2 Fingerlings. Small-Mouth Black Bass—No. 3 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings. Bluegills—No. 1 Fingerlings. Bluegills—No. 2 Fingerlings. Bluegills—No. 3 Fingerlings. Bluegills—No. 3 Fingerlings.	8,175 4,750 6,625 550 100 12,400 3,525 1,800 200 11,900 2,200 100 12,050 7,150	20,200 17,925 14,200 19,250
SUMMARY OF DISTRIBUTION, RIVERSIDE HATCHERY, 19 Large-Mouth Black Bass—No. 1 Fingerlings. Large-Mouth Black Bass—No. 2 Fingerlings Large-Mouth Black Bass—No. 3 Fingerlings Large-Mouth Black Bass—No. 4 Fingerlings. Large-Mouth Black Bass—No. 4 Fingerlings. Small-Mouth Black Bass—No. 1 Fingerlings. Small-Mouth Black Bass—No. 2 Fingerlings. Small-Mouth Black Bass—No. 3 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings. Small-Mouth Black Bass—No. 3 Fingerlings. Small-Mouth Black Bass—No. 3 Fingerlings. Small-Mouth Black Bass—No. 3 Fingerlings. Cmaple—No. 1 Fingerlings. Crappie—No. 1 Fingerlings Crappie—No. 2 Fingerlings Crappie—No. 3 Fingerlings. Crappie—No. 3 Fingerlings. Rock Bass—No. 3 Fingerlings.	8,175 4,750 6,625 550 100 12,400 3,525 1,800 200 11,900 2,200 100 12,050 7,150 50	20,200 17,925 14,200
SUMMARY OF DISTRIBUTION, RIVERSIDE HATCHERY, 19 Large-Mouth Black Bass—No. 1 Fingerlings. Large-Mouth Black Bass—No. 2 Fingerlings Large-Mouth Black Bass—No. 3 Fingerlings Large-Mouth Black Bass—No. 4 Fingerlings. Large-Mouth Black Bass—No. 4 Fingerlings. Small-Mouth Black Bass—No. 1 Fingerlings. Small-Mouth Black Bass—No. 2 Fingerlings. Small-Mouth Black Bass—No. 3 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings. Small-Mouth Black Bass—No. 3 Fingerlings. Small-Mouth Black Bass—No. 3 Fingerlings. Small-Mouth Black Bass—No. 3 Fingerlings. Cmaple—No. 1 Fingerlings. Crappie—No. 1 Fingerlings Crappie—No. 2 Fingerlings Crappie—No. 3 Fingerlings. Crappie—No. 3 Fingerlings. Rock Bass—No. 3 Fingerlings.	8,175 4,750 6,625 550 100 12,400 3,525 1,800 200 11,900 2,200 100 12,050 7,150 50	20,200 17,925 14,200 19,250 200
SUMMARY OF DISTRIBUTION, RIVERSIDE HATCHERY, 19 Large-Mouth Black Bass—No. 1 Fingerlings. Large-Mouth Black Bass—No. 2 Fingerlings Large-Mouth Black Bass—No. 4 Fingerlings Large-Mouth Black Bass—No. 4 Fingerlings. Large-Mouth Black Bass—No. 6 Fingerlings. Small-Mouth Black Bass—No. 1 Fingerlings. Small-Mouth Black Bass—No. 2 Fingerlings. Small-Mouth Black Bass—No. 3 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings. Small-Mouth Black Bass—No. 3 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings. Craple—No. 1 Fingerlings Crappie—No. 3 Fingerlings Crappie—No. 3 Fingerlings. Rock Bass—No. 3 Fingerlings. Rock Bass—No. 3 Fingerlings. Crappie—No. 3 Fingerlings. Crappie—No. 3 Fingerlings. Crappie—No. 3 Fingerlings. Crappie—No. 3 Fingerlings.	8,175 4,750 6,625 550 100 12,400 200 200 11,900 2,200 100 12,050 7,150 50 1,400,000 1,175 1,500	20,200 17,925 14,200 19,250
SUMMARY OF DISTRIBUTION, RIVERSIDE HATCHERY, 18 Large-Mouth Black Bass—No. 1 Fingerlings. Large-Mouth Black Bass—No. 2 Fingerlings. Large-Mouth Black Bass—No. 3 Fingerlings Large-Mouth Black Bass—No. 6 Fingerlings Large-Mouth Black Bass—No. 6 Fingerlings. Small-Mouth Black Bass—No. 1 Fingerlings. Small-Mouth Black Bass—No. 2 Fingerlings. Small-Mouth Black Bass—No. 3 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings. Cmall-Mouth Black Bass—No. 5 Fingerlings. Bluegills—No. 1 Fingerlings Bluegills—No. 3 Fingerlings Bluegills—No. 3 Fingerlings Crappie—No. 1 Fingerlings. Crappie—No. 3 Fingerlings. Crappie—No. 3 Fingerlings. Pike-Perch—No. 2 Fingerlings. Pike-Perch—No. 2 Fingerlings. Pike-Perch—No. 3 Fingerlings. Pike-Perch—No. 3 Fingerlings.	8,175 4,750 6,625 550 100 12,400 3,525 1,800 200 11,900 2,200 11,900 7,150 50 1,400,000 1,175 150	20,200 17,925 14,200 19,250 200
SUMMARY OF DISTRIBUTION, RIVERSIDE HATCHERY, 19 Large-Mouth Black Bass—No. 1 Fingerlings. Large-Mouth Black Bass—No. 2 Fingerlings Large-Mouth Black Bass—No. 4 Fingerlings Large-Mouth Black Bass—No. 4 Fingerlings. Large-Mouth Black Bass—No. 6 Fingerlings. Small-Mouth Black Bass—No. 1 Fingerlings. Small-Mouth Black Bass—No. 2 Fingerlings. Small-Mouth Black Bass—No. 3 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings. Small-Mouth Black Bass—No. 3 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings. Craple—No. 1 Fingerlings Crappie—No. 3 Fingerlings Crappie—No. 3 Fingerlings. Rock Bass—No. 3 Fingerlings. Rock Bass—No. 3 Fingerlings. Crappie—No. 3 Fingerlings. Crappie—No. 3 Fingerlings. Crappie—No. 3 Fingerlings. Crappie—No. 3 Fingerlings.	8,175 4,750 6,625 550 100 12,400 200 11,900 2,200 11,900 12,050 7,150 50 1,400,000 1,175 150 5,000 2,000	20,200 17,925 14,200 19,250 200
SUMMARY OF DISTRIBUTION, RIVERSIDE HATCHERY, 19 Large-Mouth Black Bass—No. 1 Fingerlings. Large-Mouth Black Bass—No. 2 Fingerlings. Large-Mouth Black Bass—No. 3 Fingerlings Large-Mouth Black Bass—No. 6 Fingerlings. Large-Mouth Black Bass—No. 6 Fingerlings. Small-Mouth Black Bass—No. 1 Fingerlings. Small-Mouth Black Bass—No. 2 Fingerlings. Small-Mouth Black Bass—No. 3 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings. Small-Mouth Black Bass—No. 4 Fingerlings. Small-Mouth Black Bass—No. 5 Fingerlings. Cmaple—No. 1 Fingerlings Bluegills—No. 1 Fingerlings Brown Singerlings Crappie—No. 2 Fingerlings. Crappie—No. 3 Fingerlings. Rock Bass—No. 3 Fingerlings. Pike-Perch—Fry. Pike-Perch—No. 2 Fingerlings. Pike-Perch—No. 2 Fingerlings. Catfish—No. 1 Fingerlings. Catfish—No. 1 Fingerlings.	8,175 4,750 6,625 550 100 12,400 3,525 1,800 200 2,200 11,900 12,050 7,150 50 1,400,000 1,175 1,500 2,000	20,200 17,925 14,200 19,250 200 1,401,325 7,000

SUMMARY OF DISTRIBUTION, WAWASEE HATCHERY.	1921	
Large-Mouth Black Bass—No. 2 Fingerlings Large-Mouth Black Bass—No. 3 Fingerlings Large-Mouth Black Bass—No. 4 Fingerlings.	34,868 5,150 726	
Bluegills—No. 1 Fingerlings. Bluegills—No. 2 Fingerlings.*	107,500 10,300	40,744
Crappie—No. 2 Fingerlings.		117,800 300
Total		158,844
SUMMARY OF DISTRIBUTION, BASS LAKE HATCHERY,		
Small-Mouth Black Bass—No. 2 Fingerlings. Large-Mouth Black Bass—No. 1 Fingerlings. Large-Mouth Black Bass—No. 2 Fingerlings.	3,000 740	3,345 3,740
Total		7,085
		,,,,,,
SUMMARY OF DISTRIBUTION, TRI-LAKES HATCHERY, Pike-Peroh—Fry.		8,500,000
Yellow Perch—Fry Yellow Perch—No. 1 Fingerlings. Yellow Perch—No. 3 Fingerlings.	632,000 9,400 10,350	
Large-Mouth Black Bass—Advanced Fry. Large-Mouth Black Bass—No. 1 Fingerlings. Large-Mouth Black Bass—No. 2 Fingerlings. Large-Mouth Black Bass—No. 3 Fingerlings. Large-Mouth Black Bass—No. 7 Fingerlings.	6,000 18,500 5,190 7,560	651,750
Large-Mouth Black Bass—No. 7 Fingerlings.	7,560	
		37,550
Total	• • • • • • • • • •	9,189,300
RESCUED FISH, 1921		
June 10—From the Hydraulic Canal between Metamora and Brookville in Franklin County—		
Suckers—6-in. to 1½-lbs Small-Mouth Bass—6-in. to 2-lb Large-Mouth Bass—½-lb. to 2½-lb.	16,500 11,000	
Large-Mouth Bass—½-lb. to 2½-lb. Sunfish	200 10,500	
Rock Rass—3-in to 8-in	7,000	
Carp—3-in. to 6-lb Catfish—(100 channel cat). Crappie—3-in to 6-in	7,000 2,550 2,100	
Total	500	50,350
Released in the Whitewater River. Work done by Amos and Hilton.		00,000
Station Pond—Fish consisted of Bass, Bluegills, Crappie and Catfish		50,000
July 18—From tovernow pounds near receivating, has coding, and receased in Cark's Station Pond—Fish consisted of Bass, Bluegills, Crappie and Cartish Work supervised by Wardens Dixon, Beloat and Crecelius, assisted by members of the Pike County Fish and Game Protective Association. July 20—From the Grimes & Reed Pond, 1 mile east of New Waverly, Cass County. Released in a dredged ditch connecting with the Wabash River—Fish consisted of small Catfish, Green Sunfish, Golden Shiners and Mud Minneys and Warden Protections of the County of t		•
July 20—From the Grimes & Reed Pond, 1 mile east of New Waverly, Cass County. Released in a dredged ditch connecting with the Wabash River—Fish		
consisted of small Catfish, Green Sunfish, Golden Shiners and Mud Minnows, number not estimated. Supervised by John H. Fleming.		
July 22—From the W. C. Johnson Pond, near Cayuga, Vermillion County. Released in Raccoon Creek in Parke County, by members of the Parke County Fish and Game Association—Fish consisted of Large-Mouth Bass and		
Fish and Game Association—Fish consisted of Large-Mouth Bass and Crappie Work supervised by Amos and Hilton.		5,000
Total		105,350
FISH PROPAGATED AND PLANTED BY THE MARION COUNTY FISH AND ASSOCIATION, 1921	GAME PRO	TECTIVE
Small-Mouth Black Bass—No. 1 Fingerlings. Small-Mouth Black Bass—No. 2 Fingerlings.	19,000 1,700	
Large-Mouth Black Bass—No. 1 Fingerlings.	16,100	20,700
Large-Mouth Black Bass—No. 3 Fingerlings. Large-Mouth Black Bass—No. 4 Fingerlings.	3,500 100	10.700
Crappie—No. 1 Fingerlings. Crappie—No. 2 Fingerlings.	50 1,000	19,700
Bluegills—No. 2 Fingerlings.		1,050 3,500
Sunfish—No. 2 Fingerlings. Catfish—No. 4 Fingerlings.		400
Total		85,350
Received from the U. S. Bureau of Fisheries— Small-Mouth Black Bass—No. 2 Fingerlings.		2,000
Grand Total		87,350

FISH PROPAGATED AND PLANTED BY THE HAMILTON COUNTY FISH AND GAME PROTECTIVE ASSOCIATION, 1921

Small-Mouth Black Bass—Advanced Fry	1,000	
Small-Mouth Black Bass—No. 3 Fingerings.	2,500	
		3,500

All fish planted in Cicero Creek and White River in Hamilton County.

SUMMARY OF THE DISTRIBUTION OF FISH IN INDIANA WATERS BY THE U. S. BUREAU OF FISHERIES FOR THE FISCAL YEAR ENDED JUNE 30, 1920.

Catfish—Fingerlings	325
Rainbow Trout—Fry	27,500
Brook Trout—Fry.	56,000
Crappie—Fingerlings.	10.805
Small-Mouth Bass—Fingerlings and Fry. Large-Mouth Bass—Fingerlings and Fry.	10,805 52,775
Sunfish—Fingerlings	4,410
Sunish Trigetungs. Rock Bass—Fingerlings.	
Yellow Perch—Fingerlings.	
Total	155,340

UNITED STATES BUREAU OF FISHERIES

SUMMARY, BY SPECIES, OF TOTAL DISTRIBUTION OF FISH AND EGGS, FISCAL YEAR ENDED JUNE 30, 1920.

Species	Eggs	Fry	Fingerlings, Yearlings and Adults	Total
Carp. Buffalofish. Shad. Alewife. Whitefish. Lake herring (cisco). Silver salmon. Chinook salmon. Sockeye salmon. Humpback salmon. Chum salmon Steelhead salmon Atlantic salmon Atlantic salmon Atlantic salmon Blackspotted trout. Lake trout. Lake trout. Lake trout. Brook trout Grayling. Pike and pickerel Freshwater drum Crappie Large-Mouth bass (black) Small-Mouth bass. Warmouth bass. Warmouth bass. Sunfish Pike perch. Yellow perch	111,830,000 90,200,000 11,267,000 3,000,000 891,600 497,105 2,607,600 722,600 2,960,000 821,400	586,500 171,000 154,900,000 162,590,100	76,286,060 6,999,310 2,616,575 37,505,500 47,857,615 5,733,150 3,053,235 90,275 4,200,015 13,15,700 101,965 800,785 6,094,270 510,350 29,955 35,897,805 978,465 41,375 611,035 30,879,120	76, 286,060 44,799,310 177,201,575 56,558,270 115,000 390,365,000 8,727,750 50,038,270 101,807,618 307,200 13,051,250 4,118,035 1,550,225 1,641,905 6,871,815 22,900,785 10,015,955 1,165,000 510,350 29,955 38,897,805 1,564,965 212,375 61,035 4,659 30,879,120 244,525,000 163,206,150
White bass. Striped bass. Cod. Pollock. Haddock. Flounder. Miscellaneous.	160,992,000	16,474,000 489,175,000 557,685,000 159,953,000 1,603,080,000	2,824,960	46,070 16,474,000 650,167,000 557,685,000 315,288,000 1,603,080,000 2,824,960
Total	630,749,305	3,872,216,350	267,388,065	4,770,355,720

ANNUAL REPORT OF THE STATE ORGANIZER

STATE ORGANIZATION

A hundred and twenty-four associations have been formed in Indiana for the protection and propagation of fish, game and birds since organization efforts were first begun. This represents a great many thousands of citizens who have been interested in the conservation of natural resources. It is hard to estimate the influence upon public opinion of this array of organizations, established in every nook and corner of the state.

Though all of these are not active at the present time, their passing influence has been good, and much time and attention has been spent during the current year to re-organize such clubs as these where interest waned. New associations have been formed where local interest demanded it, but the greatest attention has been given to hold former clubs together and revive their memberships. Much visiting and speaking before club meetings by state officials has created unusual interest and had profitable results. Supt. George N. Mannfeld, division of fish and game, has advanced the organization work by speaking at public banquets, outings and meetings of associations. Credit is due Gustave J. T. Meyer, Indianapolis, for also devoting time and attention, making trips to speak at his own expense.

A public meeting of local sportsmen and enthusiasts for conservation is one of the best methods known for creating favorable public opinion. These meetings are often an interesting study in psychology. They afford an opportunity for citizens to express and exchange their views, and to learn. Every such meeting is worth while and justifies itself, whether a permanent organization results or not.

In certain sections of the state situations have arisen which can best be ironed out by means of public meetings. Lake County, Indiana, is a case in point. The degree of lawlessness in that county and friction resulting therefrom, brought local newspapers into opposition with the State Department of Conservation. Misunderstanding was largely responsible. An unusual organization program was started in that county. Today a very active protective organization exists at Hammond, and the local newspapers give that association all the favorable propaganda for protection that it desires. A fine banquet was held there last fall, with over three hundred seated guests, at which Supt. George N. Mannfeld delivered the main address. It was probably one of the largest "fish fry" banquets ever held by any similar club anywhere.

To recount the clubs visited during the year would be to name most of the organizations in the state. When going in any direction, one or two stops have generally been made on the way, to attend meetings or see officials, and in this manner much ground has been covered.

An effort is made to promote each club's welfare by having it join the Indiana Fish, Game and Forest League, which is the official state organization, holding its meeting at Indianapolis in October of each year. This state league works in conjunction with the State Department of Conservation for the best interests of the law-observing citizens.

Many clubs have been helped in membership drives. Where the situation has demanded it, a complete reorganization has been effected. The following associations have been added to the list as new organizations, or have been completely reorganized during the current year:

Stone City Fish and Game Protective Association, Bedford. Organized January 5, 1921. J. L. Irwin, president; Edgar Hays, secretary.

Wabash County Fish and Game Protective Association, Wabash. Organized March 17, 1921. O. E. Hall, president; Otto R. Faust, secretary.

Eagle Creek Fish and Game Protective Association, Zionsville. Organized December 3, 1920. E Harvey, president; George Robey, secretary.

Laporte County Fish, Game and Bird Protective Association, Laporte. Organized October 1, 1920. John Shick, president; John Dilworth, secretary.

Recreation Gun Club, Evansville. Organized November 1, 1920. F. P. Fuchs, president; G. A. Beard, secretary.

Charlestown Fish and Game Protective Association, Charlestown. Organized May 15, 1921. George H. D. Gibson, president; James B. James, secretary.

Peru Gun Club, Peru. Reorganized April 10, 1921. Frank Steutsman, president; A. J. Rhodes, secretary.

Tippecanoe County Fish, Game and Bird Protective Association, Tippecanoe. Organized July 10, 1921. T. F. Ringle, secretary.

Bartholomew County Fish and Game Protective Association, Columbus. Reorganized June 10, 1921. Dr. Cecil Smith, president; Clarence Buxton, secretary.

Evansville Casting Club, Evansville. Organized October 15, 1920. J. D. Wellman, president; G. A. Beard, secretary.

Advance Fish and Game Protective Association, Advance. Organized April 20, 1921.

B. O. Emmert, secretary.

Daviess County Fish, Game and Bird Protective Association, Washington. Organized June 25, 1921. Chas. Willey, president; C. C. Williams, secretary.

Ripley County Fish, Game and Bird Protective Association, Batesville. Organized August 12, 1921. Fred Brummer, president; Dr. E. B. Vincent, secretary.

Calumet Conservation League, East Chicago. Reorganized January 10, 1921. Harry C. Gough, president; Harry Roberts, secretary.

Big Long Lake Cottagers' Association, Kendallville. Organized August 27, 1921. J. A. McDonald, president; S. A. Enloe, Danville, secretary.

Monroe County Fish and Game Protective Association, Bloomington. Organized June 17, 1921. N. A. Jeffries, president; M. L. Curts, secretary.

Shelby County Fish, Game and Bird Protective Association, Shelbyville. Re-

organized May 2, 1921. Wm. B. Sleath, president; Wilbur Pell, secretary.

Greentown Fishing Club Greentown, Organized Navember 1, 1920. J. N. DeLong.

Greentown Fishing Club, Greentown. Organized November 1, 1920. J. N. DeLong, president; George Ball, secretary.

Martin County Fish and Game Protective Association, Loogootee. Organized September 15, 1921. William Carroll, president; William Larkin, secretary.

ACTIVE ORGANIZATIONS

In addition to the above named and newly formed associations, there are many old and active clubs in the state. Among those that have made their influence known and have rendered especially active service in the cause of protection and propagation of fish and game, may be mentioned the following associations:

Bass Lake Business Men's Association, Knox. Frank Hay, president; Irvin Chapple, secretary.

Cass County Fish and Game Protective Association, Logansport. Isaac Oppenheimer, president; Hiram Hildebrandt, secretary.

Cedar Lake Protective Association, Lowell. Harry Lassen, Cedar Lake, president; Carl Gragg Lowell, secretary.

Clay County Fish, Game and Bird Protective Association, Brazil. Edward Newton, president; Bernard Foulke, secretary.

Decatur County Fish and Game Protective Association, Greensburg. Dr. D. W. Weaver, president; E. J. Sims, secretary.

Elkhart County Fish, Game and Bird Protective Association, Goshen. Ray Deahl, president: O. G. Landis, secretary.

Eel River Fish and Game Protective Association, Denver, James H. Steller, president: Carl Haines, secretary.

Fayette County Fish and Game Association, Connersville. Philip LaRue, president; D. M. Bottoms, secretary.

Floyd County Fish, Game and Bird Protective Association, Jeffersonville. S. F. Zufall, president.

Foot's Lake Pleasure Club, Evansville. Harvey Weber, president; Chas. Jurgens, secretary.

Gary Rod and Gun Club, Gary. Harry Hardenbrook, president.

Gibson County Fish and Game Protective Association, Princeton. Maj. R. S. Manford, president; T. J. Fox, secretary.

Grant County Fish and Game Protective Association, Marion. W. A. Brown, president; Ira Shildmeyer, secretary.

Greentown Fishing Club, Greentown. J. N. DeLong, president; Walter Ball, secretary.

Hamilton County Fish, Game and Bird Protective Association, Noblesville. R. R. Foland, president; Walter Shirts, secretary.

Hancock County Fish, Game and Bird Protective Association, Greenfield. Rufus H. Temple, president; Louis C. Heinrich, secretary.

Hamilton Lake Fish and Game Protective Association, Hamilton. C. B. Dirrum, president; G. L. Gnagy, secretary.

Henry County Fish, Game and Bird Protective Association, Newcastle. Sam Harlan, president; C. V. Wake, secretary.

Huntington County Fish and Game Protective Association, Huntington. James K. Marks, president; Albert E. Andrews, secretary.

Indianapolis Gun Club, Indianapolis. Harry Stutz, president; C. L. Slinkard, secretary.

Jackson County Fish and Game Protective Association, Seymour. C. L. Kessler, president; T. R. Carter, secretary.

Lake Bruce Protective Association, Kewanna. Harry Jenkins, president; John Murphy, secretary.

Lake James Cottagers' Association, Angola. Wm. Freuchtenicht, Fort Wayne, president; A. H. Bunch, secretary.

Lake County Fish and Game Protective Association, Hammond. Edward Rhode, president; Wm. C. Greuner, secretary.

Jay County Fish and Game Protective Association, Portland. Philip Waltz, president; Charles Hutson, secretary.

Jefferson County Fish and Game Protective Association, Madison. John C. Finch, president; S. G. Boyd, secretary.

Jennings County Fish and Game Protective Association, North Vernon. H. W. Miller, president; A. E. Siener, secretary.

Keego Angling Club, Indianapolis. A. J. Mannfeld, president; Albert Steele, secretary.

Laporte County Fish and Game Protective Association, Laporte. John Shick, president; John Dilworth, secretary.

Lawrence County Fish and Game Protective Association, Mitchell. Leonard Dalton, president; A. N. Palmer, secretary.

Lake Manitou Cottagers' Association, Rochester. F. F. Moore, president; Earl Sisson, secretary.

Marion County Fish and Game Protective Association, Indianapolis. George R. Batchelor, president; W. E. Roeder, secretary.

Lake Maxinkuckee Conservation League, Culver. John P. Walter, president; H. L. Coutzen, secretary.

Montgomery County Fish and Game Protective Association, Crawfordsville. F. G. Hasselman, president; R. R. Reynolds, secretary.

Northern Indiana Fish, Game and Bird Protective Association, Fort Wayne. Lawrence Koeneman, president; R. J. Phillips, secretary.

Perry County Rod and Gun Club, Tell City. U. B. Cummings, president; C. M. Cumesky, secretary

Pike County Fish and Game Protective Association, Petersburg. Dr. Lee DeMotte, president; H. E. Willis, secretary.

Plainfield Fish, Game and Bird Protective Association, Plainfield. W. A. Rushton, president; Dr. LaRue Davis, secretary.

Pluto Fish, Game and Bird Protective Association, French Lick. O. B. Hancock, president; Felix Roach, secretary.

Putnam County Fish, Game and Bird Protective Association, Greencastle. Ernest Stoner, president; G. F. Long, secretary.

Tippecanoe County Fish, Game and Bird Protective Association, Lafayette. Paul Pyle, president; Fred Dobelbower, secretary.

Warsaw Fish and Game Association, Warsaw. N. E. Haymond, president; John Sloane, secretary.

Vigo County Fish, Game and Bird Protective Association, Terre Haute. R. C. Meisner, president; E. T. Hulman, secretary.

Wayne County Fish and Game Protective Association, Richmond. W. B. Kelley, president; John Holliday, secretary.

Wawasee Protective Association, Syracuse. Haines Egbert, president; George L. Xanders, secretary.

RESOLUTIONS SHOWING CO-OPERATION AND ENDORSEMENT OF THE INDIANA FISH, GAME AND FOREST LEAGUE

At the annual meeting of the Indiana Fish, Game and Forest League, held at the Claypool Hotel, Indianapolis, October 27, 1921, the following resolutions were presented, endorsed and passed by the delegates in attendance by unanimous vote:

RESOLUTIONS BY ORGANIZATIONS

Resolutions presented by the Marion County Fish and Game Protective Association of Indianapolis:

1. Whereas, The present Division of Fish and Game, of the State Department of Conservation, has rendered the state especially fine service in protecting and preserving game and fish in the state; and,

WHEREAS, The Director of the Department, Mr. Richard Lieber, and George N. Mannfeld, the Superintendent of Fisheries and Game, have shown their fitness for the positions they relatively hold in managing the Fish and Game Division; therefore, be it

Resolved, That the Indiana Fish, Game and Forest League go on record as endorsing their work, and that of the Department, and that they be praised for their painstaking labors in behalf of the conservation of wild life in this state.

2. WHEREAS, The game warden service of the Division of Fish and Game, under the Department of Conservation, has shown such great efficiency in apprehending violators and bringing about observance of fish and game laws; and,

WHEREAS, The present funds of the Division seem sufficient to warrant more men on the warden force; therefore, be it

Resolved, That the Indiana Fish, Game and Forest League favors the employment of such additional men on the warden force as the finances of the Division will allow, and that in the selection of wardens the high standard and qualified fitness of the men be left to the Conservation Commission and the Director of the Department of Conservation, and that politics be not allowed to form a part in their selection, and be it further

Resolved, That a copy of this resolution be given to the public press.

Resolutions presented by the Keego Angling Club of Indianapolis:

1. Whereas, A movement has been set on foot to abolish the laws prohibiting Sunday hunting, at the next session of the legislature; and,

WHEREAS, This club believed that such a movement would, if successful, tend to cause serious trouble both to the farmer and sportsman; and,

Whereas, Such movement is not in the interests of the conservation of game in our state; therefore, be it

Resolved, That the Keego Angling Club go on record as opposing any such change in any of our present laws affecting Sunday hunting.

2. Whereas, It seems to be the intention of the Governor and Auditor of State, to sell lands along the Kankakee River belonging to the state, for the purpose of paying certain assessments due; and,

Whereas, Said lands are of great value to the people for recreational purposes; and, Whereas, Others have been assessed for ditching the river and have paid said assessments; therefore, be it

Resolved, That the Indiana Fish, Game and Forest League use its influence with the Governor and Auditor, with the view of having them retain these lands, and that the legislature be appealed to at its next session to appropriate the required funds to pay the ditch assessments.

Resolution adopted by the Indiana Fish, Game and Forest League on recommendation of the resolutions committee:

To the Members of the Indiana Fish, Game and Forest League:

The Resolutions Committee offers the following resolutions for your consideration and adoption:

WHEREAS, There is a growing necessity for larger areas of public land which may be used for recreation purposes by the people, and which may be set aside for refuges for game and wild life; and,

WHEREAS, It is the object of the Department of Conservation of the State of Indiana to acquire land in the state for such purposes; and,

Whereas, The State of Indiana is fortunate in owning many thousand acres of land located in the vicinity of the Kankakee River which are of peculiar value for such purposes, and which it is proposed to sell to satisfy the costs of certain ditching projects; therefore, be it

Resolved, by the Indiana Fish, Game and Forest League, in convention assembled, That the league favor the retention of said land by the state for the uses and purposes above mentioned, and that some other method be taken by which to raise funds with which to pay the cost of such ditching projects, thus preserving forever to the people that which once lost can never be replaced; and, be it further

Resolved, That a copy of this resolution be sent to the Governor of Indiana.

Respectfully submitted,

BY RESOLUTIONS COMMITTEE,
HARRY C. HENDRICKSON, Indianapolis.
WALTER SHIRTS, Noblesville.
REV. A. M. HOOTMAN, Greencastle.
SAM F. ZUFALL, New Albany.

A motion was made and adopted that the above resolution be presented in person to the Governor by the committee.

GAME WARDEN SERVICE

The game warden service is the police department of the division of fish and game. The director is the ex-officio head of this branch of service and thereby becomes in fact an officer working under the superintendent of the division of fish and game, since that officer is responsible for the conduct of his division.

The conservation law clearly defines the duties of the division chiefs as independent and responsible heads and it therefore must be plain that not even the director could take out or take over any part of this responsibility. This law says that "He (the director) shall have charge of the fish and game deputies and wardens in the enforcement of the laws relating to fisheries and game. . . ." The work entails not only the closest co-operation with the policy of the division, but also a not inconsiderable expense, and as the superintendent is responsible for both, the director in his capacity as chief of the service is in reality an assistant to the superintendent.

In amplification of the report by the superintendent in whose office most of the records pertaining to law violations are kept, the following matter should be added.

A total of 636 complaints was received and investigated. The following table explains the disposition.

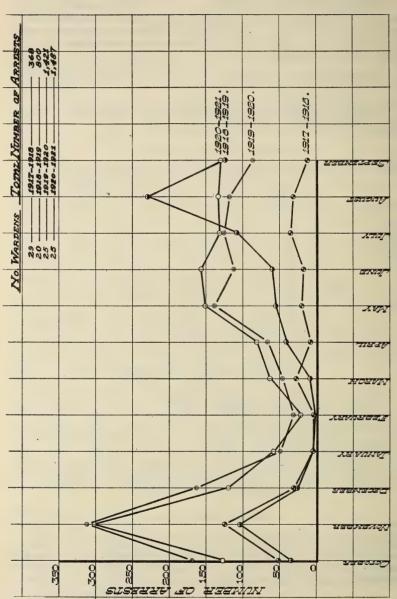
COMPLAINTS FOR FISCAL YEAR 1920-1921

Монтн	Received and Investigated	Convicted	Groundless	Pollution	Breeders License	No. Results
October November December January February March April May June July August September Total	24 69 32 27 - 20 58 51 98 67 88 67 88 35	7 38 7 17 1 18 23 17 11 24 20 4	7 5 7 4 11 9 16 10 13 13 5 5 100	2 1 2 7 8 7 7 2 4	2 10 6 19 9 5	10 26 16 10 12 27 10 47 33 24 24 17

COST OF OPERATING AUTOMOBILES

As in the previous year careful account was kept of the expense of operating state owned machines. Each car has a service number, sealed hub odometers are used to obtain mileage. Weekly reports on mileage, fuel, oil and repairs are made, receipts must be taken besides and records of tires and inner tubes are kept at the office. The serial number of each is recorded with its exact location as to wheel and service car and replacements are made only by exchange of worn out parts. The following data is on ten department owned cars.

	Total	Cost Per Mile
Storage	. \$915 16	\$0.0057
Supplies	. 3,010 86	.0187
Repairs	. 1,093 82	.0068
Tires	. 2,334 63	.0145
Equipment	. 24 52	.0001
Depreciation	. 2,013 29	.0125
	\$9,392 28	\$0.0583
Miles traveled		
Cost per mile		



This service was placed under the control of the Department of Conservation in April, 1919 Chart showing arrests made by game wardens for four fiscal years.

The following is a list of standing of game wardens for the year 1920-1921.

STANDING OF GAME WARDENS FOR FISCAL YEAR, 1920-1921

Name	Number of Months Service	Arrests	Standing per Arrests	Convic- tions	Standing per Convic- tions	Standing in Propor- tion to Months of Service	Per Cent. of Convic- tions Made on Arrests
C. C. Miles. A. Gallion. J. J. Bravy. F. Lapham. A. D. Barber. G. W. Wyatt. R. Rohrabaugh. G. T. Stansell. C. R. Gilpin. T. F. Butler. J. H. Randall. W. Garrabrant. W. Hoemig. P. Creeelius. C. E. Dixon. T. Beloat. J. Chamberlin. H. Walker. C. N. Hardy. F. M. Ehlers. E. Click. *C. Raeber. J. Havel. *A. Mauck. *J. Stoneburner. *A. Tilton. A. Vanderford. R. D. Fleming. A. Holstine. O. Neal.	12 12 12 12 12 12 12 13 11/4 11/4 11/4 11/4 11/4 11/4 11/4 1	96.92 81.88 78.14 76.39 67.50 67.05 63.48 61.09 60.98 69.98 59.98 59.92 56.02 54.29 50.55 48.17 33.00 30.08 29.02 27.64 25.25 21.84 21.25 21.84 21.25 21.84 21.24 21.47 4.37	1 2 3 4 5 6 6 7 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	93.90 77.66 75.39 71.25 61.16 70.99 63.44 57.97 52.05 53.14 46.03 55.58 54.02 54.29 47.10 46.25 28.00 29.02 27.19 27.66 26.66 24.25 19.50 19.32 13.42 10.17 3.34	1 2 2 3 4 4 7 7 5 6 8 8 15 9 144 18 11 10 12 16 17 20 19 22 21 24 23 25 26 27 28 29 30	1 4 4 5 9 122 7 7 100 8 21 17 220 11 16 14 18 19 224 226 225 227 3 6 6 15 29 30 13 28	97.81 94.84 96.49 93.27 81.00 96.58 94.61 91.32 85.32 92.61 88.60 78.00 94.34 96.43 100.00 93.11 96.00 84.85 90.37 100.00 95.09 100.00 89.26 90.91 100.00 100.00 77.00
L. J. Amos.	4	2.16	31	2.16	31	31	100.00

^{*}NOTE-Those marked with an * no longer on regular force.

In addition to the list of wardens given on page 286 the following men served as game wardens for the period given following their names.

A. D. Mauck, October 1st to December 31st. Charles Raeber, October 1st to December 31st. James Stoneburner, October 1st to January 31st. Arthur Tilton, March 1st to June 30th.

The failure of the fur market in the fall of 1920 was reflected in the comparatively small number of furs confiscated previous to the opening of the season, November 10th, although it should be borne in mind that an amendment by the recent legislature changed the date of the fur-bearing animal act for open season from the 20th of November to the 10th of November. A total of 298 furs were confiscated.

With a view of profiting from the experience of others and the hope to be of some service in turn to those who wish to keep in touch with the workings of game warden service in other states, a game warden service questionnaire was sent to all of the states in the union. The answers so received were tabulated and this tabulation is now in the hands of the various state officers for the purpose of checking up before final publication.

. At this time it may be interesting to review a few of the outstanding facts as revealed by this compilation.

Game warden salaries are all the way from \$300 a year (Georgia) to \$3,000 a year (West Virginia).

The total expense per warden in the more successful states averages about \$2,500 a year which is approximately the cost in Indiana.

Percentage of convictions varies between 53% (Georgia) and 98% (New York).

Indiana, with 93% registers in sixth place, as follows: New York, 98%; Maine, 97.8%; New Jersey, 96.7%; Michigan, 94.8%; Massachusetts, 93.7%.

Of the states low in percentage of convictions the miserable fee system may be held accountable. Georgia for instance has only three salaried wardens, but 160 non-salaried wardens who live off of fees. Their eagerness to collect fees apparently is in excess to the willingness of the court to allow them.

Another low state is Connecticut with 65% of convictions, nine partly salaried wardens and ninety-one non-salaried wardens.

Pennsylvania which lists 1,895 convictions has eighty-one salaried wardens and the astounding total of 850 non-salaried wardens. It would be interesting to know the number of arrests and thereby the percentage of convictions.

Of the five states exceeding Indiana, New York does not recognize the fee system; Maine does; New Jersey pays \$5 to \$10 to the nonsalaried wardens per conviction; Michigan allows constable fee and Massachusetts witness fee.

All cases listed for Indiana were made by the salaried wardens with the exception of 37 cases, of which 16 were made by two non-salaried wardens and the rest by constables or other peace officers.

The number of convictions per warden in the different states ranges from 1.1 case in Virginia or 3 cases in Maine, to 55.4 cases in Indiana. The nearest approach to Indiana is Connecticut with 32.3 convictions, 31 in New York; 25.6 in Kentucky; 25.9 in New Jersey, 25.6 in Iowa; 23.4 in Pennsylvania; 22.6 in Michigan. Eleven states are under 20, all others under 10.

Another interesting column reveals the cost per conviction which cost is arrived at by dividing the number of convictions into the total spent for warden service. It should be understood that these figures are merely comparative since the doubtful citizen will immediately realize that the value of a warden does not exclusively or even pre-eminently depend on his ability to catch violators. Figured on the above stated basis this cost varies from \$39.58 in Connecticut to \$671.04 in Missouri, the latter state having 25 salaried wardens, 110 convictions, 4.4 convictions per warden, at a total cost of \$73,814.68. In this case (Missouri), the extremely low average of convictions obtained raises the cost out of all proportion, but figures of \$200 and \$300 are in nowise rare. It costs Maine \$204.62, Vermont \$302.10, Massachusetts \$282.50, Virginia \$266.66, North Dakota even \$405.30. The cost in Indiana is \$45.80, or the second lowest among all the states. Above it, but below one hundred dollars,

appear in order, Texas \$70.72, Tennessee \$77.41, New York \$79.51, Kentucky \$84.63, Michigan \$94.10, and New Jersey \$95.64.

The totals spent for warden service vary from the ridiculous sum of \$2,000 in Kansas per annum, to \$303,900.22 in Pennsylvania, and \$327,200 in New York. Indiana expended \$63,528.31. Among its neighbors Kentucky spent \$22,426.38. Ohio \$188,411.05, Michigan \$212,781.57, and Illinois \$190,000.

The figures above given are from forty-one out of forty-eight states. One state (Nevada) reports "game warden office abolished," and another (Mississippi) reports "no game wardens." No answer so far could be obtained from seven states, viz.: North Carolina, Florida, Arkansas, Oklahoma, Minnesota, South Dakota, and Colorado.

In the comparison with the entire country we thus find that Indiana has advanced to a most enviable position. Three years ago under political administration twenty-nine wardens made 347 convictions, or an average of twelve convictions per warden. On the basis of the present tabulation it would have given us seventeenth place. Instead of that we are in the lead by 60% over the second highest state.

Still better service can be had if it is clearly recognized by all concerned that the game warden service is a police department and that any police department, in order to be quick, alert, thoroughly honest, dependable and economical must only know one superior above it, and that superior aside from other necessary qualifications must be able to keep his department strictly out of politics.

GAME WARDEN SERVICE 1920-1921

North

	Months			Contriotions					Por Co.	Por Conviotion
	of	Arrests	Convictions	made	Salary	Expense	Subtotal	Auto	100	TATOMOTI
	Service			% uı					Cost	Actual
	,		9	00 00	00 00 00					
	212	13.42	13.42	97.81	\$2,100 00 1,500 00	\$355 14 311 19	\$2,455 14 1 811 12	\$440 I7	19 28	\$189 59 25 92
	12	200	77.66	94.84	1,500 00					33 64
	12	78.14	75.39	96.49	1,500 00					35 30
	12	76.39	71.25	93.27	1,500 00					38 24
	12	75.50	61.16	81.00	1,500 00			504 50		34 07
	112%	73.50	70.99	96.58	1,458 33					34 66
	101%	63,48	57.97	91.32	1,310 50					40 36
	12	59.98	53.14	88.59	1,500 00			943 96		45 20
	112%	58.92	55.58	94.34	1,458 33					42 90
	12	48.17	46.25	96.00	1,500 00			875 51		50 52
	7	33.00	28.00	84.85	750 00					47 87
	101%	29.05	27.19	93.69	1,310 50			147 07		59 28
	12	27.34	26.00	95.09	1,500 00					79 24
	4	25.25	24.25	96.00	200 00					32 96
	$10\frac{1}{2}$	21.25	19.32	90.91	1,048 40					65 61
:	. 4	21.84	19.50	89.26	400 00					40 53
	177 5-6	884.00	820.97		\$22.336 06	\$7.167 42	\$29,403 48	\$5,369 99		

6. State cars made 96,853 miles at 1½ c per mile depreciation.

Added to auto service.

\$1,210 66 4,243 55

Total. \$5,454 21

Cost of Auto Service per Conviction, \$6.64.

GAME WARDEN SERVICE 1920-1921

SOUTH

Per Conviction	Actual	\$74 878 878 878 878 878 878 878 878 878 8	
Per Cor	Subtotal	\$6 367 367 367 367 367 367 367 367 367 36	
Auto	Service	\$688 719 719 73 8 8 764 43 12	\$3,261 23 \$802 63 3,135 44 \$3,938 07
Subtotal	Captoral	81,963 1,972 63 2,972 91 2,900 11 1,889 15 2,930 33 2,931 33 2,931 34 2,931 34 2,832 95 2,832 95 2,833 34 2,833 34 2,834	619,409 59
Fxnense	omoder		20,325 2/
Salary	Dataty	\$1,550 00 1,202 88 1,500 00 1,500 00 1,500 00 1,500 00 1,200 00 1,700 00 1,77 42	\$13,134,32
Convictions	in %	96 44 97 44 98 45 61 98 532 92 51 100 00 100 00 100 00 100 00 100 00 100 00 100 00	
Convictions		29 02 29 05 29 05 29 05 29 05 29 05 29 05 29 29 29 29 29 29 27 06 28 29 29 29 29 29 29 29 29 29 29 29 29 29	ation
Arrests	2020	30.08 67.05 67.05 60.08 60.98 60.98 55.02 55.63 57.65	obs. 45
Months	Service	2111212 00 01 12 12 4 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1	t 11/4c per n
WARDEN'S NAME	ין מאנטטער ט גע מאנט אין י	F. M. Ehlers. Roy Rohrabaugh. C. R. Gilbin. T. F. Butter. W. E. Garrabrant. C. E. Dixon. J. D. Chamberlin. Chas. Raeber. A. D. Maude. Harold Holstine.	4 State cars made 64,210 miles at 1½0 per mile depreciation Total.

*The service of L. J. Amos shown in tabulation on page 325, is omitted, because Amos is listed as a regular hatchery man. Cost of Auto Service per conviction, \$7.49.

REPORT OF DIVISION OF ENGINEERING

ORGANIZATION

W. K. HATT, State Engineer.

M. J. STINCHFIELD, Jr., Assistant State Engineer.

J. C. DIGGS, Sanitary Engineer.

K. E. McCONNAUGHAY, Field Engineer and Draftsman. ADDA RINKER, Stenographer.

FIELD CORPS FOR 1921

K. E. McCONNAUGHAY, In Charge.

D. L. WARREN, Instrumentman.

J. D. WHICKER, Instrumentman.

C. M. DRAPER, Instrumentman.

L. D. ATKINS, Rodman.

H. HAAS, Rodman.

McKIM C. COPELAND, Rodman.

D. L. CRABTREE, Rodman.

D. DOGGETT, Rodman.

H. A. ASPERGER, Rodman.

W. D. PERRIN, Rodman.

Created by an act of the 1921 legislature, the Division of Engineering is now a well established arm of the Department of Conservation. While acting primarily as a service division for the remainder of the Department, this unit has its particular function in connection with drainage matters throughout the state.

Through a plan of co-operation with Purdue University, the Division may, upon request, secure the services of members of the Purdue engineering faculty and the use of its laboratories. The head of the School of Civil Engineering acts as State Engineer without additional compensation from the state, the routine work of the Division being carried on by the Assistant State Engineer, who devotes his entire time to the Division. This arrangement, it is believed, has proved satisfactory.

DRAINAGE

In creating the Division of Engineering the legislature assigned to the Department of Conservation numerous additional duties relative to the drainage and reclamation of land. Briefly stated, the Department is authorized, first, to collect and disseminate data and information of drainage in general, and second, upon request from interested parties to direct the State Engineer to act in an advisory capacity on local drainage projects. Provision was also made that the clerk or auditor of the county, in which a petition for drainage is filed, shall notify the Department of Conservation of the court order relative to the organization of the district. The opportunity is thus given the Conservation Commission to pass upon the merits of any drainage project, and to work toward the co-ordination and betterment of our present drainage system in Indiana.

Pursuant to the first duty as stated above, the Division has undertaken a drainage survey of the state. All available data regarding the location, area, date of organization, character of project, cost, land values, etc., will be compiled and a map of the state prepared which will show the location and extent of every drainage project upon which information may be obtained. Preliminary work for this survey is now under way, but it is apparent that such a large undertaking must necessarily extend over a considerable period of time. It is hoped that considerable technical data of value may be collected in connection with this survey.

Due, no doubt, to unfamiliarity with the recent legislation making the State Engineer available for consultation on drainage enterprises, no requests were received until late in the fiscal year, for co-operation with local officers. During the last month of the year, however, several such requests were received and investigations of the projects are now being made. It is apparent that the services of the Division will be in considerable demand henceforth.

ABATEMENT OF STREAM POLLUTION

Beginning August 1st, following the employment of a sanitary engineer by the Division, an active campaign was carried on for the abatement of stream pollution by the industrial plants of the state. During the remaining two months of the year principal effort was expended in the investigation of cases of pollution brought about by the canning factories of the state. This was done for the reason that many plants of this class operate but a brief season of four to six weeks, producing in many instances large volumes of organic waste. They obviously must be studied when operating, even though it is illogical to consider individual instances prior to a careful survey of the entire stream situation.

In taking up the individual cases of stream pollution with the owners of the industries, no hard and fast regulations were applied. Officials of plants contributing wastes sufficient in volume and of a character detrimental to the streams were made to feel that they were dealing with a state department which wishes to co-operate with the industries. General advice regarding the possibility of the treatment of the particular waste in question was given, but it was not the intention to design treament plants, this phase of the question being left to consulting waste disposal engineers.

Many cases of stream pollution by Indiana industries were found to be due to carelessness on the part of plant superintendents who failed to insist that as careful attention be devoted to waste treatment devices as was required of other factory processes. In a number of instances merely pointing out to plant officials the damage produced when their untreated wastes were discharged into the streams resulted in the operation of the plant in a manner that objectionable wastes were no longer produced.

Obviously the ideal solution of pollution problems would include the working out of processes for the recovery of valuable by-products now discharged through plant sewers. In one particular instance this has

been possible. Factory processes installed to eliminate the waste from a large beet sugar factory will, it is believed, not only prevent the usual annual pollution of a river for a twenty-five mile course, but will result in the recovery of five to ten tons of sugar per day during a campaign of ninety to one hundred days.

The following chart summarizes the stream pollution investigations:

Stream	Nature of	Establishment	City or
	Investigation	Producing Waste	Town
Brandywine Creek McCullough Park Wellough Park White River Mississinewa River St. Mary's River Cicero Creek. Pleasant Run Cicero Creek. Cons Creek. Eagle Creek Blue River Cicero Creek Deep River St. Joseph River Dewey Creek Blue River Camp Creek Cool Creek Ltitle Blue River Cons Creek	Rendering plant waste Meat backing waste Iron and acid waste Strawboard waste Beet sugar waste Oil waste Canning factory waste Serum factory waste Milk waste Serum factory waste Strawboard waste Milk waste Strawboard waste Tomato and corn waste Mill pond levels Gas waste Gas waste Tomato waste Tomato waste Corn waste	Hancock Fertilizer Co. Kuhner Packing Co. Indiana Steel and Wire Co. T. H. Hart Paper Co. Holland-St. Louis Sugar Co. Jenkins Glass Co. Sears & Nichols Swine Breeders' Pure Serum Co. Polk Sanitary Milk Co. Pitman-Moore Co. American Paper Products Co. Fame Canning Co. Roper & Brown N. I. Gas and Electric Co. Greeneastle Gas Co. Edinburg Syrup and Refining Co. Sears & Nichols Co. Fame Canning Co. Sears & Nichols Co. E. Geo. VanCamp & Sons Co. Fame Canning Co. Sears & Rece Canning Co. Sears & Reserve Co.	Greenfield Muncie Muncie Muncie Albany Arcadia Arcadia Greenwood Thorntown Waldron Zionsville Carthage Tipton Hobart South Bend Greencastle Edinburg Dupont Westfield Shelbyville Waldron Fairmount

PROGRAM FOR STREAM POLLUTION WORK

For the accomplishment of general improvement of the waters of the state, it is necessary that a broad program be outlined and that the work done from year to year be directed toward carrying out this program.

- (1) Investigations of cases of stream pollution and studies of methods for waste treatment.
 - (2) Collection of data regarding discharge of waste into streams.
 - (3) Collection of data regarding waste treatment plants in Indiana.
- (4) Compilation of general information regarding waste treatment as practiced in other states.
 - (5) Studies of effect of industrial wastes on fish.
- (6) Studies of Indiana waters and the effect of sewage wastes. A suitable laboratory is essential for (5) and (6).
 - (7) Dissemination of information to Indiana industries.

LAKE LEVELS

The maintenance and perpetuation of our Indiana lakes present many difficulties. In many cases the preservation of an existing lake level is seriously threatened by local drainage projects, some good, some very questionable. Investigations of such projects and of proposals to maintain the level of a lake by the construction of a dam across its outlet constitute a large part of the work of this division.

The Leonard Act of the last legislature which is an amendment to the Acts of 1905 protecting fresh water lakes in Indiana, provides a means of prevention when new ditch construction threatens to lower the level of one of our lakes, but whether this law, which prohibits any ditch construction within 160 rods of a lake, and any alteration in its outlet within 240 rods, is applicable to reconstruction and clean-out enterprises, is a matter still to receive precedent from our courts. Two such cases came to the attention of the Division during the past year, but because there was some doubt as to the application of the act protecting fresh water lakes, and for the reason that proceedings had progressed so far as to the award of contracts, construction having started in one instance, no legal action was taken to prevent the lowering of the lakes. Two more recent cases are still under investigation, one of which threatens to lower the waters of Lake Wawasee in Kosciusko County, the largest lake in Indiana.

The other phase of the lake level question, relative to dams thrown across the outlet, is the simplest solution of maintaining the water at its normal height. In most cases this can be done at a very small cost and proves very satisfactory, the Department and land owners co-operating, the former furnishing engineering advice and the owners bearing the expense of construction. Once the dam is in, the Department of Conservation exercises its jurisdiction in maintaining the lake at the established level.

SURVEYS AND MAPS

When this Division was organized one of the most apparent needs of the Conservation Commission was a series of complete topographic maps of the state parks. No maps of real value were then in existence, and the intelligent development of these valuable tracts was most impossible. The organization of a field corps was immediately undertaken. The co-operation of Purdue University was solicited and the School of Civil Engineering loaned to the Division surveying equipment, approximating \$1,500 in value. With their help a field corps of seven men was secured and this party started the work on June 13, 1921.

As it was planned to start several new improvements at Turkey Run-Park during the summer, this was the first tract to be mapped. The survey was conducted with great accuracy, having in mind a map to a scale of 100 feet=1 inch, with a contour interval of two feet. The survey included not only the 470 acres of park land, but a considerable amount of the territory in the vicinity, probably 700 acres in all. The work was completed on August 27th, and considering the rough and wooded character of the country, and the accuracy demanded, this is close to record time. Of this period probably two weeks were spent on special surveys in connection with various park improvements. Mapping was carried on as the work progressed and with the completion of the field work topographic sheets of any portion of the park were available. The compilation of those sheets into one map will be done during winter months.

On finishing the Turkey Run survey the field corps was transferred to Clifty Falls Park at Madison, Indiana. Work here was somewhat delayed as several members of the corps returned to Purdue to resume their college work. As soon as possible these vacancies were filled and

it is probable that the work will be completed by November 1st. Topographic work at Vinegar Mills and McCormick's Creek Canyon will then be undertaken.

The demand for the Division's services on surveys has been greater than could be cared for while our park surveys are under way. A request from the Division of Geology for the establishment of a number of bench marks between Bloomington and Columbus, Indiana, was complied with, and the work completed during the month of May. Other work, particularly those cases which involve state ownership of lands lying within the meander lines of fresh water lakes, has of necessity been postponed.

PLANS, ESTIMATES AND CONSTRUCTION

During the year the Division has prepared plans and estimates for two proposed improvements at Turkey Run Park, namely, a gravel road through the recently acquired park land and a wooden highway trestle across Newby Gulch, near one end of the road. Work on the road has not yet been started, but the construction of the trestle at this writing is well under way. The site of this structure, which spans a gulch some 140 feet wide and 45 feet deep, with solid rock bearings on both sides, is an ideal location for a concrete arch, but the cost of such a bridge, being estimated in the neighborhood of \$17,000, was at this time prohibitive. The framed trestle which was suggested and designed by the Division, has an estimated cost of \$2,885 and should have a life of from ten to fifteen years. With the passing of this structure the Department should be in a position to place a permanent structure on this site. tention is directed to the fact that the survey, design and construction of this trestle has been accomplished entirely within the personnel of the Department of Conservation, the survey, design, and supervision of construction being a function of the Division of Engineering, while actual construction is being carried on under the skillful direction of R. P. Luke, Superintendent of State Parks.

The Division has also acted in an advisory capacity regarding water supply features at the various parks and hatcheries. An extensive survey of conditions of water supply and sewage disposal at Turkey Run Park with view to recommending some definite means of improvement of these features and including an estimate of the cost of the same is now under way.

OFFICE ROUTINE

The Assistant Engineer spends considerable time answering letters requesting information, holding conferences in regard to various phases of the work of the Division, and in collecting publications and data of an engineering nature. Correspondence relative to stream pollution investigations is handled by the sanitary engineer. Further time is taken up with the preparation of reports and clerical work. Following is a mailing record of the Division since its conception:

Incoming mail, first class	203
Incoming mail, other classes	
Outgoing mail, first class	501
Outgoing mail, other classes	3

RECOMMENDATIONS

Following are a few recommendations for the consideration of the commission:

- (1) This Division is of the opinion that the Leonard Bill of the recent legislature, in regard to the drainage of fresh water lakes, imposes too stringent restrictions as to the proximity of drains to lakes. In the majority of cases the provisions may prove none too ample, but there are some cases where a drain closer than 160 rods to a lake, or where alterations in an outlet within 240 rods, would cause no lowering of the water level, and would open many acres to cultivation, besides improving the immediate surroundings of some of our best lakes. In many cases ditches could be carried very close to a lake and the level still maintained by means of a dam across the outlet. It is suggested that the power to grant permits for such projects might well be entrusted to the Department of Conservation, and that the next legislature be requested to modify the law to this extent.
- (2) The Temple Bill H. R. 5230, now pending in Congress, and providing for the rapid completion of the topographic survey, is a measure worthy of the entire support of the Commission. The value of a topographic map of Indiana to the various state departments is untold, and it is hoped that the Commission will lend weight not only in securing the passage of the Temple Bill, but in securing the necessary appropriation from the Indiana legislature that will assure an immediate completion of the Indiana quadrangles.

REPORT OF THE INFORMATION SERVICE

By CHARLES H. PARRISH, In Charge

Pointing out to the people of Indiana' the need of conservation and how much may be accomplished along diversified lines through the six co-ordinated divisions of the State Department of Conservation, is one of the duties of the information service. In this particular duty the service bureau reflects the actual work of the main divisions, director and the commission in that after results are accomplished, or experiments preliminary to accomplishments are well advanced, this information is disseminated to the people of this commonwealth through the greatest of all publicity mediums—the press.

NUMEROUS STORIES DEVELOP WITHIN DEPARTMENT

It is but natural that within so complete an organization and where there is much activity toward "Good Housekeeping" for the state, there should develop many, many stories of unusual news value which it is important the people of the state be cognizant. In brief there are news stories constantly arising around such subjects as mineral resources, oil, gas and shale, limestone, geological survey, paleontology, economic geology, plant diseases, insect pests, apiaries, nursery stock, pathology, state forests, reforestation, tree nursery, wood lots, land classification, state parks, navigable streams, lakes, historic places, mineral deposits on state lands, fish and game, propagation, song and game birds, fur-bearing animals, game experiment station, protective associations, engineering surveys and maps, tests of materials, stream pollution, water power and canals, drainage, state topographic survey, warden service, and the like.

On the subjects dealt with, Department of Conservation heads take the position that they are merely custodians. Through special labors within the various divisions the way is pointed out to a better and more profitable utilization of our great natural resources. Again, divisions often engage in the perpetuation and propagation of those renewable resources which, through selfish motives or perchance ignorance, have been squandered.

Because the people of Indiana own all the state's natural resources and, because it is their duty as citizens to take personal interest in their government, the information service was created and charged with the duty of apprising them of complete operations of this branch of state government functioning to conserve the basic wealth of the commonwealth.

PRESS OUR BEST FRIEND

In this particular endeavor our chief ally is the press of the state and as a result of the splendid co-operation of newspapers, conservation is today one of the best known and most widely discussed subjects of our government.

Essentially constructive and ever alert to things best for the state in which they operate, newspapers are aware of the potentialities of conservation. Editors are cognizant that Indiana possesses vast sources of wealth, some of which have only been meagerly drawn upon. They also know that some of these resources were squandered and need rebuilding. Therefore they, without a dissenting voice, stand solidly behind the information service in its efforts to advertise Indiana not only to its own people, but the country at large.

The information service functions at a minimum cost. Its usefulness is attested in the augmented interest the public now manifests toward conservation compared to a rather lethargic attitude only two short years ago. Newspapers are treated equitably in the matter of news dissemination. It is indeed gratifying to note that the press regards this service as one of common good, and is co-operative to a common end.

DEPARTMENT SEEKS CO-OPERATION OF ALL

The State Department of Conservation knows that it needs the co-operation of the people generally in order to reach that goal sought. The information service via the press is the medium by which an often dormant public attitude may be aroused into decisive action. Had the

work of the Conservation Department remained buried in office files, it is problematical if today there would be a well advanced movement toward reforestation, state-owned forest lands, additional state parks and recreational centers, use of certain mineral resources, augmented interest in wild life and aquatic conservation, and a multitude of other things in which this organization zealously strives in order that Hoosiers may derive the most from a God-given heritage.

A FEW THINGS THE BUREAU DOES

Additional work of the information service is to answer inquiries regarding the best and most primitive places in the state for camping parties, week-end parties at state parks where modern conveniences are available, roads leading thereto, scenic and historic places of interest in the entire state, prepare special stories for editors desiring a feature on some subject dealing with Indiana's natural resources, inspire the people to the need of drawing judiciously upon their native wealth and, in fact, the duties are numerous and wide and of varying character.

Citing a single case of what develops in the department, attention is called to the recent alarm prevalent in this state over the reported presence in Ohio within six miles of the state line of the dread Europeon corn borer. Erroneous reports to the Federal Horticultural Board that the pest would migrate to Indiana shortly, led Washington authorities to deem it best to quarantine the Hoosier corn crop. Such procedure had it gone into effect would have spelled at the most conservative estimate a loss of \$15,000,000 to the state's corn crop this year, not considering the inevitable depreciation of land values.

Mr. Wallace, State Entomologist for the Department of Conservation, after investigation learned the borer was sixty instead of six miles from the Indiana line, and that it would be unfair and unjust to quarantine Indiana account of this. He with others, namely, representatives of the farmers' federations and the grain dealers' association, convinced federal authorities this course was best and that a quarantine at this time was unnecessary, but would likely prove calamitous. News of the action of the board was sent to three hundred Indiana newspapers through the information service and in a remarkably short time the European corn borer scare subsided. It is futile to think this news could have gained such widespread publicity in so short a time in any other way or by any other vehicle. Again, when there is an outbreak of any insect pest or invasion, this bureau upon receipt of the news, disseminates it throughout the state together with recommendations for control and eradication made by the State Entomologist. The result is the outbreak is soon controlled at point of development and interests elsewhere in the state are protected.

CREATES NEWS STORIES ON CONSTRUCTIVE PROGRAM

The division of fish and game is engaged in a great campaign of propagating baby fish for planting in public waters. Appeals are made via the information service for parent fish for hatchery uses. Stories

sent out from time to time concerning the industry, method of functioning, and activity of wardens warring on violators of both fish and game laws, all tend to stimulate and arouse additional interest in this particular branch of conservation.

Indiana rather late sees the wisdom of perpetuating its forests and may soon acquire forestal lands. Deam, State Forester, tells us we have only sufficient timber stocks to last about twenty-five years, estimating consumption continues at its present rate. Indiana imports the bulk of its wood stocks to supply raw materials to wood-using industries capitalized at \$170,000,000. The state has two million acres of land unfit for anything but growing trees. Such lands now idle and unproductive should by all means be put to work and the duty of awakening the public to the dire necessity of this great economic need if posterity is to have timber, devolves upon the information service.

The division of geology has frequently pointed out the absolute necessity for a topographic map of the entire state. Only an infinitesimal portion is mapped, yet Illinois and Ohio are completely mapped. Farmers, manufacturers, real estate dealers, quarrymen, railroads, oil and gas development, in fact many forms of industrialism, commercialism, husbandry and land development demands this forward step. The information service seeks to impress the public with this necessity.

Stream pollution can not go on indefinitely if we are to progress as we should. It not only menaces health, but renders our public waters unfit for human consumption or establishment contiguous thereto of recreational centers so essential in these days of intense industrialism and unrest. As engineers of the Conservation Department solve this perplexity the information is sent to the public and creates co-operation between individuals, companies, firms, municipalities and the department toward renewed efforts to abolish this paramount public nuisance.

PRESS LARGELY RESPONSIBLE FOR OUR SUCCESS

And so on without end might examples be cited where the Conservation Department is underwriting the future of Hoosierland and the information service is preaching the gospel of judicious and wise development. Knowing that every meritorious cause needs public approval; cognizant that conservation is a thing not for itself but for the masses; newspapers by their generous use of our material are to a great extent directly responsible for our progress. We are deeply appreciative of this friendship and co-operation. To announce a continuation of their splendid support means a wealthier, happier Hoosier citizenship in the future.

STATEMENTS OF RECEIPTS AND DISBURSEMENTS FOR THE YEAR ENDING SEPTEMBER 30, 1921

DIVISION OF FISH AND GAME

RECEIPTS

Balance on hand October 1, 1920	\$48,269	50	
Resident hunting and fishing	114,620	20	
Non-resident hunting	1,456	50	
Non-resident fishing	8,691	60	
Lake Michigan	345	00	
Fees from fines	6,340	00	
Certificates of inspection	670	00	
Scientific permits	18	00	
Ferret permits	195	00	
Confiscated furs	275	50	
Old tires	45	85	
Old power pump—Wawasee hatchery	15	00	
Old launchWawasee Lake	150	00	
Old scraper (2)—Riverside hatchery	10	00	
Old shot guns (2)—by R. D. Fleming	10	00	
Conscience money—postmarked Wabash, Ind	. 10	00	
-			\$181,122 15

DISBURSEMENTS

Ga

ame Wardens—		
Salaries	\$36,737	37
Wages	18	00
Postage	109	75
Field equipment	55	58
Field supplies	66	87
Meals and lodging	12,403	92
Railroad and traction	957	29
Motor vehicles—		
Storage		
Supplies		
Repairs		
Tires		
Equipment 24 52		
5 Ford touring cars, 2 Ford Coupelets 2,869 10		
5 Ford Couring Cars, 2 Ford Couperers 2,005 To	10.248	00
Auto license and certificates of title	71	
	152	
Telephone and telegraph		
Express, freight and drayage	24 9	
Auto, livery and boat hire	1,619	35
Warden House, Wawasee-	224	
Repairs and supplies	204	
Light and heat	75	
Fort Wayne office rent	240	
Medical services	10	
2 motor boats	404	-
2 motor boat trailers	128	55

63,528 31

Brought forward			\$63,528 31
Fish Hatcheries—	011 000	00	
Salaries			
Wages Postage	893 6		
Field equipment	764		
Field supplies	154		
Meals and lodging	1,437		
Railroad and traction fare		53	
Motor vehicles—			
Storage			
Supplies 715 64			
Repairs 277 35			
Tires			
Equipment			
Ford roadster \$562 91			
Credit for old car No. 6 285 00			
			
Second-hand Ford roadster-truck			
A. J. W. W.	2,315		
Auto licenses	. 6		
Insurance—2 Reo trucks	29		
Telegraph and telephone.	64		
Express, freight and drayage	24	91	
Auto, livery and boat hire	691		
Non-structural improvements	2,230		
Structures and parts	909		
Household supplies	21		
Feed		71	
Light	-11		
Donations—plantings of fish	250		
			21,301 08
			21,001 00
State Organizer—			21,001 00
State Organizer— Salary	\$1,500	00	21,001 00
		00	21,001 00
Salary Postage Field supplies	3	00 64	21,001 00
Salary Postage Field supplies Meals and lodging	3 577	00 64 51	21,001 00
Salary Postage Field supplies Meals and lodging Railroad and traction fare.	3	00 64 51 02	21,001 00
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone.	3 577 469	00 64 51 02 40	21,001 00
Salary Postage Field supplies Meals and lodging Railroad and traction fare.	3 577 469	00 64 51 02	
Salary Postage Field supplies Meals and lodging Railroad and traction fare Telegraph and telephone. Auto, livery and boat hire	3 577 469 2	00 64 51 02 40 50	2,553 07
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Auto, livery and boat hire. State Parks—Fish and game protection.	3 577 469 2	00 64 51 02 40 50	
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Auto, livery and boat hire. State Parks—Fish and game protection. State Game Experiment Station—	3 577 469 2	00 64 51 02 40 50	2,553 07
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Auto, livery and boat hire. State Parks—Fish and game protection. State Game Experiment Station— Salaries	3 577 469 2 \$1,200	00 64 51 02 40 50	2,553 07
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Auto, livery and boat hire. State Parks—Fish and game protection. State Game Experiment Station— Salaries Wages	\$1,200 1,038	00 64 51 02 40 50	2,553 07
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Auto, livery and boat hire. State Parks—Fish and game protection State Game Experiment Station— Salaries Wages Postage	\$1,200 1,038	00 64 51 02 40 50	2,553 07
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Auto, livery and boat hire. State Parks—Fish and game protection. State Game Experiment Station— Salaries Wages Postage Office supplies	\$1,200 1,038 3	00 64 51 02 40 50 00 40 00	2,553 07
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Auto, livery and boat hire. State Parks—Fish and game protection State Game Experiment Station— Salaries Wages Postage Office supplies Field supplies	\$1,200 1,038 3 11 22	00 64 51 02 40 50 00 40 00 00 73	2,553 07
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Auto, livery and boat hire. State Parks—Fish and game protection. State Game Experiment Station— Salaries Wages Postage Office supplies	\$1,200 1,038 3	00 64 51 02 40 50 00 40 00 00 73 27	2,553 07
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Auto, livery and boat hire. State Parks—Fish and game protection. State Game Experiment Station— Salaries Wages Postage Office supplies Field supplies Meals and lodging	\$1,200 1,038 3 11 22 34	00 64 51 02 40 50 00 40 00 00 73 27 56	2,553 07
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Auto, livery and boat hire. State Parks—Fish and game protection State Game Experiment Station— Salaries Wages Postage Office supplies Field supplies Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone	\$1,200 1,038 3 111 22 34 24	00 64 51 02 40 50 00 40 00 00 73 27 56 50	2,553 07
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Auto, livery and boat hire. State Parks—Fish and game protection State Game Experiment Station— Salaries Wages Postage Office supplies Field supplies Meals and lodging Railroad and traction fare.	\$1,200 1,038 3 11 22 34 49	00 64 51 02 40 50 00 40 00 00 73 27 56 50 73	2,553 07
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Auto, livery and boat hire. State Parks—Fish and game protection State Game Experiment Station— Salaries Wages Postage Office supplies Field supplies Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone Express, freight and drayage.	\$1,200 1,038 3 11 22 34 24 49 23 239	00 64 51 02 40 50 00 40 00 00 73 27 56 50 73	2,553 07
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Auto, livery and boat hire. State Parks—Fish and game protection State Game Experiment Station— Salaries Wages Postage Office supplies Field supplies Meals and lodging Railroad and traction fare Telegraph and telephone. Express, freight and drayage. Auto hire	\$1,200 1,038 3 11 22 34 24 49 23 239	00 64 51 02 40 50 00 40 00 00 73 27 56 50 73 92	2,553 07
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Auto, livery and boat hire. State Parks—Fish and game protection State Game Experiment Station— Salaries Wages Postage Office supplies Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Express, freight and drayage. Auto hire Farm implements and repairs. Rent (lease) Printing and publications.	\$1,200 1,038 3 11 22 34 49 23 239 6 500	00 64 51 02 40 50 00 40 00 00 73 27 56 50 73 92	2,553 07
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Auto, livery and boat hire. State Parks—Fish and game protection State Game Experiment Station— Salaries Wages Postage Office supplies Field supplies Field supplies Meals and lodging Railroad and traction fare Telegraph and telephone Express, freight and drayage. Auto hire Farm implements and repairs Rent (lease) Printing and publications. Material	\$1,200 1,038 3 11 22 34 24 49 23 239 6 500 2	00 64 51 02 40 50 00 40 00 00 73 27 56 50 73 92 10 00 60 32	2,553 07
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Auto, livery and boat hire. State Parks—Fish and game protection State Game Experiment Station— Salaries Wages Postage Office supplies Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Express, freight and drayage. Auto hire Farm implements and repairs. Rent (lease) Printing and publications. Material Bantams	\$1,200 1,038 3 11 22 34 24 49 23 6 500 2 286 5	00 64 51 02 40 50 00 40 00 00 73 27 56 50 73 92 10 00 60 32 00	2,553 07
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Auto, livery and boat hire. State Parks—Fish and game protection. State Game Experiment Station— Salaries Wages Postage Office supplies Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone Express, freight and drayage. Auto hire Farm implements and repairs. Rent (lease) Printing and publications. Material Bantams Pheasants	\$1,200 1,038 3 111 222 34 49 23 239 6 5000 2 2865 155	00 64 51 02 40 50 	2,553 07
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Auto, livery and boat hire. State Parks—Fish and game protection. State Game Experiment Station— Salaries Wages Postage Office supplies Field supplies Meals and lodging Railroad and traction fare Telegraph and telephone Express, freight and drayage. Auto hire Farm implements and repairs. Rent (lease) Printing and publications. Material Bantams Pheasants Cow	\$1,200 1,038 3 11 22 34 49 23 239 6 500 2 286 5 155 75	00 64 51 02 40 50 	2,553 07
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Auto, livery and boat hire. State Parks—Fish and game protection. State Game Experiment Station— Salaries Wages Postage Office supplies Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone Express, freight and drayage. Auto hire Farm implements and repairs. Rent (lease) Printing and publications. Material Bantams Pheasants	\$1,200 1,038 3 111 222 34 49 23 239 6 5000 2 2865 155	00 64 51 02 40 50 	2,553 07 2,100 00
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Auto, livery and boat hire. State Parks—Fish and game protection State Game Experiment Station— Salaries Wages Postage Office supplies Field supplies Meals and lodging Railroad and traction fare Telegraph and telephone Express, freight and drayage. Auto hire Farm implements and repairs. Rent (lease) Printing and publications. Material Bantams Pheasants Cow Feed	\$1,200 1,038 3 11 22 34 49 23 239 6 500 2 286 5 155 75	00 64 51 02 40 50 00 40 00 00 73 27 56 50 73 92 10 00 60 32 00 00 00 12	2,553 07
Salary Postage Field supplies Meals and lodging Railroad and traction fare. Telegraph and telephone. Auto, livery and boat hire. State Parks—Fish and game protection. State Game Experiment Station— Salaries Wages Postage Office supplies Field supplies Meals and lodging Railroad and traction fare Telegraph and telephone Express, freight and drayage. Auto hire Farm implements and repairs. Rent (lease) Printing and publications. Material Bantams Pheasants Cow	\$1,200 1,038 3 11 22 34 49 23 239 6 500 2 286 5 155 75	00 64 51 02 40 50 00 40 00 00 73 27 56 50 73 92 10 00 60 32 00 00 00 12	2,553 07 2,100 00

Brought forward			\$93,460 71
Indianapolis Office and Miscellaneous Bills-			
Salaries and wages	\$9,447	33	
Office equipment	966	07	
Postage	670	39	
Office supplies	1,345	90	
Field equipment	272		
Field supplies	189		
Meals and lodging	339		
Railroad and traction fare	698	50	
Motor vehicles—	4.4	4 =	
Repairs		15	
Tires Equipment		67	
Telegraph and telephone	437	92	
Express, freight and drayage	30		
Auto, livery and boat hire	334		
Library and periodicals		06	
Printing and publications	4,616		
Legal services	576		
Motion picture films	2,731		
	2,101		22,807 12
			22,001 12
Total			\$116,267 83
Balance on hand September 30, 1921			64,854 32
			\$181,122 15
REVOLVING FUND—DIVISION OF LANDS AND	WATE	RS	
RECEIPTS			
Balance on hand October 1, 1920	@1.4 Q09	AE	
Turkey Run Park—	φ14,000	40	
Gate receipts	5,396	60	
Auto storage	467		
Concessions	2,826		
Office—Turkey Run pamphlets	11		
Refund telephone toll		80	~
Governor's contingent fund—Clifty Falls	15,000	00	
_			\$38,505 85
DISBURSEMENTS			
Salaries	\$833	32	
Wages	527		
Postage		75	
Office supplies	12		
Field equipment	23		
Field supplies	31		
Meals and lodging	50		
Railroad and traction fare	83		
Motor vehicles-			
Supplies\$29 09			
Repairs 99 95			
	129	04	
Telegraph and telephone			
	8	85	
Express, freight and drayage	8 147		
		35	
Express, freight and drayage	147	35 53	
Express, freight and drayage Auto, livery and boat hire Insurance General repairs	147 96	35 53 66	
Express, freight and drayage Auto, livery and boat hire Insurance General repairs Non-structural improvements	147 96 305 851 493	35 53 66 15 32	
Express, freight and drayage Auto, livery and boat hire Insurance General repairs Non-structural improvements Structures and parts	147 96 305 851	35 53 66 15 32	
Express, freight and drayage Auto, livery and boat hire Insurance General repairs Non-structural improvements Structures and parts Household supplies	147 96 305 851 493 4,523	35 53 66 15 32 14 45	
Express, freight and drayage Auto, livery and boat hire Insurance General repairs Non-structural improvements Structures and parts	147 96 305 851 493 4,523	35 53 66 15 32 14 45	
Express, freight and drayage Auto, livery and boat hire Insurance General repairs Non-structural improvements Structures and parts Household supplies Nursery stock	147 96 305 851 493 4,523 2 107	35 53 66 15 32 14 45 08	
Express, freight and drayage Auto, livery and boat hire Insurance General repairs Non-structural improvements Structures and parts Household supplies	147 96 305 851 493 4,523	35 53 66 15 32 14 45 08	

YEAR BOOK

Brought forward	\$8,230	79	
Fertilizer	15		
Legal services	106		
Museum	10	00	
Printing and publications	65	30	
Library and periodicals	5		
Survey—Bass Lake	150		
Wells—McCormick's Creek Park Fire equipment—parks	453		
Clifty Falls	5,694		
Petty cash fund (see page 343)	1,000		
	\$16,170		
Balance on hand September 30, 1921	22,335	26	
		_	\$38, 505 85
REVOLVING FUND—DIVISION OF FORES	TRY		
RECEIPTS			
Balance on hand October 1, 1920	\$6,803	15	
359 copies of "Trees of Indiana"			
			\$7,252 25
DISBURSEMENTS			
Museum specimens	\$1,500	00	
LandClark and Scott counties			
Balance on hand September 30, 1921	2,095		
			\$7,252 25
REVOLVING FUND—DIVISION OF GEOL	OGY		
RECEIPTS			
Balance on hand October 1, 1920	\$64	58	
Publications	363		
Use of auto	10	00	
			\$438 24
DISBURSEMENTS			
Balance on hand September 30, 1921			\$438 24
REVOLVING FUND—DIVISION OF FISH ANI	GAME	C	
RECEIPTS			
Balance on hand October 1, 1920	\$357	95	
Dr. Evermann's reports (84 sets)	322	00	
Game Station—			
Gate receipts	21		
38 bushels corn	26		
Poultry Public auction, December 6th—	266	19	
4 horses \$70 50			
2 cows			
1 calf			
8½ tons hay			
Farm implements			
\$667 29			
Less auctioneer and clerk expense 53 88			
	613	41	01 CCD O1
		_	\$1,608 21
DISBURSEMENTS			
Balance on hand September 30, 1921			\$1,608 21

PETTY CASH FUND				
1921 May 18—From revolving fund, warrant No. 86377			01.000	0.0
Sept. 30—Indiana National Bank			\$1,000	00
J. M. Davis—McCormick's Creek Park	11			
R. P. Luke—Turkey Run Park	163			
Samuel Wallace—Clifty Falls	37			
Due from Auditor for receipts filed September 30th	553	37		
Cash on hand	50	74		
2.322		_	\$1,000	00
DIVISION OF GEOLOGY—GAS WELL FE	ES			
• RECEIPTS				
Balance on hand October 1, 1920	\$141	50		
Fees collected	4,650			
			\$4,791	50
DISBURSEMENTS				
Fees to inspectors	\$3,632	00		
Balance on hand September 30, 1921				
			\$4,791	50
·				
· DIVISION OF ENTOMOLOGY—LICENSE F	UND			
RECEIPTS				
Balance on hand October 1, 1920				
Licenses—nursery stock	551	00		
			00 000	
		_	\$2,676	15
DISBURSEMENTS			\$2,676	15
	\$2.299	98	\$2,676	15
Salaries	\$2,299 60		\$2,676	15
SalariesPostage	60	00	\$2,676	15
SalariesPostage	60	00	\$2,676 \$2,676	
SalariesPostage	60	00		
SalariesPostage	60	00		
SalariesPostage	60 316	00 17		
Salaries Postage Balance on hand September 30, 1921	60 316	00 17		
Salaries	60 316	00 17 —		
Salaries Postage Balance on hand September 30, 1921	60 316 RAL FU	00 17 —		
Salaries Postage Balance on hand September 30, 1921 MISCELLANEOUS RECEIPTS TO STATE GENER Division of Lands and Waters— 26½ bushels apples	60 316 RAL FU \$21 5	00 17 JND 30		
Salaries Postage Balance on hand September 30, 1921 MISCELLANEOUS RECEIPTS TO STATE GENER Division of Lands and Waters— 26½ bushels apples 1½ cords wood	60 316 RAL FU \$21 5	00 17 JND 30 00 00		
Salaries Postage Balance on hand September 30, 1921 MISCELLANEOUS RECEIPTS TO STATE GENER Division of Lands and Waters— 26½ bushels apples 1½ cords wood 100 pounds beans 138 bushels corn 91-3 bushels wheat	\$21 5 89	00 17 JND 30 00 00		
Salaries Postage Balance on hand September 30, 1921 MISCELLANEOUS RECEIPTS TO STATE GENER Division of Lands and Waters— 26½ bushels apples 1½ cords wood 100 pounds beans 138 bushels corn	\$21 5 89 9	30 00 00 00 60 33 10		
Salaries Postage Balance on hand September 30, 1921 MISCELLANEOUS RECEIPTS TO STATE GENER Division of Lands and Waters— 26½ bushels apples 1½ cords wood 100 pounds beans 138 bushels corn 9 1-3 bushels wheat	\$21 5 89 9	00 17 	\$2,676	15
Salaries Postage Balance on hand September 30, 1921 MISCELLANEOUS RECEIPTS TO STATE GENER Division of Lands and Waters— 26½ bushels apples 1½ cords wood 100 pounds beans 138 bushels corn 91-3 bushels wheat 20½ bushels oats 13 loads gravel	\$21 5 89 9	30 00 00 00 60 33 10		15
Salaries Postage Balance on hand September 30, 1921 MISCELLANEOUS RECEIPTS TO STATE GENER Division of Lands and Waters— 26½ bushels apples 1½ cords wood 100 pounds beans 138 bushels corn 9 1-3 bushels wheat 20½ bushels oats 13 loads gravel Division of Forestry—	\$21 5 5 89 9 6	00 17 	\$2,676	15
Salaries Postage Balance on hand September 30, 1921 MISCELLANEOUS RECEIPTS TO STATE GENER Division of Lands and Waters— 26½ bushels apples 1½ cords wood 100 pounds beans 138 bushels corn 9 1-3 bushels wheat 20½ bushels oats 13 loads gravel Division of Forestry— 38 1-3 bushels wheat	\$21 \$5 \$9 6 3	00 17 	\$2,676	15
Salaries	\$21 5 5 89 9 6 3	00 17 	\$2,676	15
Salaries Postage Balance on hand September 30, 1921 MISCELLANEOUS RECEIPTS TO STATE GENER Division of Lands and Waters— 26½ bushels apples 1½ cords wood 100 pounds beans 138 bushels corn 91-3 bushels wheat 20½ bushels oats 13 loads gravel Division of Forestry— 381-3 bushels wheat Fodder 27 cords wood	\$21 \$5 \$89 9 6 6 3 \$2 94	00 17 30 00 00 60 33 10 25 30 00 00	\$2,676	15
Salaries Postage Balance on hand September 30, 1921 MISCELLANEOUS RECEIPTS TO STATE GENER Division of Lands and Waters— 26½ bushels apples 1½ cords wood 100 pounds beans 138 bushels corn 9 1-3 bushels wheat 20½ bushels oats 13 loads gravel Division of Forestry— 38 1-3 bushels wheat Fodder	\$21 5 5 89 9 6 3 3 \$43 2 94 73	00 17 30 00 00 60 33 10 25 30 00 00	\$2,676	15
Salaries Postage Balance on hand September 30, 1921 MISCELLANEOUS RECEIPTS TO STATE GENER Division of Lands and Waters— 26½ bushels apples 1½ cords wood 100 pounds beans 138 bushels corn 91-3 bushels wheat 20½ bushels oats 13 loads gravel Division of Forestry— 38 1-3 bushels wheat Fodder 27 cords wood Cross ties	\$21 5 5 89 9 6 3 3 \$43 2 94 73	00 17 30 00 00 60 33 10 25 30 00 00 66 65	\$2,676	15
Salaries Postage Balance on hand September 30, 1921 MISCELLANEOUS RECEIPTS TO STATE GENER Division of Lands and Waters— 26½ bushels apples 1½ cords wood 100 pounds beans 138 bushels corn 91-3 bushels wheat 20½ bushels oats 13 loads gravel Division of Forestry— 38 1-3 bushels wheat Fodder 27 cords wood Cross ties 10 gum boards	\$21 5 5 89 9 6 3 3 \$43 2 94 73	00 17 	\$2,676	15
Salaries Postage Balance on hand September 30, 1921 MISCELLANEOUS RECEIPTS TO STATE GENER Division of Lands and Waters— 26½ bushels apples 1½ cords wood 100 pounds beans 138 bushels corn 91-3 bushels wheat 20½ bushels oats 13 loads gravel Division of Forestry— 38 1-3 bushels wheat Fodder 27 cords wood Cross ties 10 gum boards	\$21 5 5 89 9 6 3 3 \$43 2 94 73	00 17 	\$2,676 	15
Salaries Postage Balance on hand September 30, 1921 MISCELLANEOUS RECEIPTS TO STATE GENER Division of Lands and Waters— 26½ bushels apples 1½ cords wood 100 pounds beans 138 bushels corn 91-3 bushels wheat 20½ bushels oats 13 loads gravel Division of Forestry— 38 1-3 bushels wheat Fodder 27 cords wood Cross ties 10 gum boards	\$211 5 5 89 9 6 3 3 \$43 2 94 73 1	00 17 	\$2,676 	15 58

DISBURSEMENTS

Division of General Administration—			
Salaries	\$5,200 0	10	
Per diem of commissioners	\$5,200 0 545 0		
	85 7		
Postage	149 1		
Office supplies			
Field supplies	10 0		
Meals and lodging	49 4		
Railroad and traction fare	110 2		
Telegraph and telephone	52 0		
Auto, livery and boat hire	54 5		
Insurance	100 0		
Printing and publications	90 4		
Thirting of The Association		\$6,446	9.1
Division of Entomology—	@10.004 A		
Salaries			
Wages	33 (
Office equipment	119 6		
Postage	218 (
Office supplies	376 5		
Field equipment	195 3		
Field supplies	309 2		
Meals and lodging	1,628 5		
Railroad and traction fare	1,369 2	22	
Motor vehicles—			
Storage \$9 50			
Supplies 178 13			
Repairs 16 13			
Tires 81 38			
Equipment 3 00			
	288 1	14	
Auto license	6 (00	
Telegraph and telephone	85 4	19	
Express, freight and drayage	35 (06	
Auto, livery and boat hire	552 2	25	
Fair exhibit	17 8	35	
Printing and publications	60 4		
Library and periodicals	16 9	95	
•		- 15,596	28
Division of Geology—			
Salaries	\$5,533	10	
Wages	30 1		
Office equipment	50 8	31	
Postage	180 (
Office supplies	202 2	29	
Field equipment	34 2		
Field supplies	56 2		
Meals and lodging	641 (
Railroad and traction fare	283 8		
Motor vehicles—			
Storage			
Supplies			
Repairs			
Tires			
	416 8	58	
Telegraph and telephone	57 8		
Express, freight and drayage	25 (
Auto, livery and boat hire	130		
Museum	164		
Printing and publications	1,329 8		
I mong and publications	1,049 (- 9,135	95
		5,100	30
Carried forward		\$31,178	70
CONTRACT TO THE STATE OF THE ST		фол,178	10

	ought forward		\$31,178	70
Div	rision of Forestry and Reservation—	er 790 01		
	Salaries	\$5,720 01 1,426 73		
	Office equipment	4 00		
	Postage	195 25		
	Office supplies	150 19		
	Field equipment	81 10		
	Field supplies	201 33		
	Meals and lodging	216 69		
	Railroad and traction fare	260 57		
	Express, freight and drayage	173 48		
	Auto and livery hire	468 19		
	Telegraph and telephone	64 87		
	Insurance	30 00		
	Material	136 31		
	General repairs	8 88		
	Farm implements and repairs	38 43		
	Feed	144 45		
	Household supplies	53 70		
	Nursery stock	651 05		
	Seeds	31 24		
	Fertilizer	81 20		
	Museum	69 49		
	Printing and publications	3,602 15		
	Library and periodicals	18 98		
	Abstract of title	35 00	40.000	00
D'	talan at Tanda and Waters		13,863	29
Div	rision of Lands and Waters—	01 710 00		
	Salaries	\$1,716 66		
	Wages Office equipment	180 20 3 50		
	Postage	94 00		
	Office supplies	12 16		
	Field equipment	196 86		
	Field supplies	1 00		
	Meals and lodging	85 57		
	Railroad and traction fare	156 67		
	Motor vehicles—			
	Supplies	3 35		
	Repairs	126 63		
	Telegraph and telephone	100 45		
	Express, freight and drayage	229 98		
	Auto and livery hire	35 50		
	Insurance	373 20		
	General repairs	268 57		
	Non-structural improvements	2,407 67		
	Structures and parts	2,360 03		
	Printing and publications	505 83		
	Bridge	2,043 75		
	Heating plant	3,823 00		
	Fire equipment	40 70		
	Library and periodicals	4 00		
	Legal services	183 63		
	Clifty Falls	5 00	14,957	01
			14,957	91
	Total		\$59,999	90
IIn	used appropriation September 30, 1921		\$00,000	10
011	and appropriation performed 60, 1621			
			\$60,000	00
			400,000	-

Division of Engineering-			
Appropriation		. \$7,500	00
Salaries	\$4,391 7	7	
Wages	287 8	30	
Office supplies	121 4	18	
Field equipment	266 0		
Field supplies	197 1	.5	
Meals and lodging	1,361 5		
Railroad fare and traction fare	342 9	2	
Motor vehicles—			
Storage	3 (
Supplies	12 2		
Telegraph and telephone		30	
Express, freight and drayage	17 9		
Auto and livery hire	279 5		
General repairs	204 1		•
Printing and publications	5 (
		- \$7,491	
Unused appropriation September 30, 1921		. 8	67
		\$7,500	00
		*	
SUMMARY OF APPROPRIATIONS, RECEIPTS, DISBURSEME	NTS AN	D BALANC	ES
On Hand at the Beginning, and the End of the Fisca			
	i icai, i	020-21	
Appropriation—		000 000	00
General		, ,	
Engineering	• • • • • • • • •	7,500	00
FUNDS.			
Protective and Propagation—			
Fish and Game—			
Balance on hand	\$48.269	50	
Receipts			
20001240	102,002	_ 181.122	15
Revolving		101,122	10
Fish and Game—			
Balance on hand	\$357 9	95	
Receipts			
		- 1,608	21
Forestry		2,000	
Balance on hand	\$6,803 1	5	
Receipts			
_		- 7.252	25
Geology—			
Balance on hand	\$64 5	8	
Receipts	373 €	36	
		- 438	24
Lands and Waters—			
Balance on hand	\$14,803 4	15	
Receipts			
		38,505	85
Petty cash		1,000	00
Gas Well Fees—			
Geology—			
Balance on hand	\$141 8	60	
Receipts	4,650 (00	
		- 4,791	50
License—			
Entomology—			
Balance on hand	\$2,125 1	.5	
Receipts	551 (00	
-		- 2,676	15
Miscellaneous receipts		. 854	03
Total			-
	*******	. \$805,248	28

DISBURSEMENTS

Appropriation—		
General		
Less amount of general administration expense apportioned		
to and included in Division of Fish and Game 8,369 17		
to and included in Division of Tish and dame	\$59,999	90
General—unused appropriation	400,000	10
Engineering	7,491	
Unused appropriation	8	
Unused appropriation	0	01
FUNDS		
Protective and Propagation— Fish and Game\$116,267 83		
Balance on hand		
Balance on hand 04,604 52	101 100	1.5
D 11	181,122	1:)
Revolving—		
Fish and Game—	1 000	0.1
Balance on hand	1,608	21
Forestry \$5,156 64		
Balance on hand		0=
	7,252	
Geology—balance on hand	438	24
Lands and Waters		
Transfer to petty cash fund		
Balance on hand 22,335 26		
	38,505	
Petty Cash—balance on hand	1,000	00
Gas Well Fees—		
Geology		
Balance on hand		
Dalance on hand	4.791	50
License	4,101	90
Entomology \$2,359 98		
Balance on hand	0.050	1 =
75. 71	2,676	
Miscellaneous receipts to state general fund	354	03
	0007.040	
	\$305,248	38
Total expenditures by department\$210,078 27		
Miscellaneous receipts to state general fund		
Unused appropriation		
Transfer to petty cash fund		
Balance on hand (all funds) 93,807 31		
Total	\$305,248	38

PUBLICATIONS OF THE DEPARTMENT

- 1. Trees of Indiana—exhausted.
- 2. Laws of Indiana Relative to Natural Resources.
- 3. A Digest of the Laws.
- 3a. Digest-1920 edition.
- 4. The Why and Wherefore of Conservation in Indiana.
- 5. Turkey Run State Park—25c. Postpaid.
- 6. Indiana Kaolin-35c in paper, 50c in cloth. Postpaid.
- 7. Lake Maxinkuckee—A Physical and Biological Survey by Evermann and Clark. \$2.00 to residents, \$3.50 to non-residents. Postpaid.

- 8. Oil and Gas Report—50c to residents (in paper), \$1.00 to non-residents. Postpaid.
 - 9. Fish Culture.
 - 10. Proceedings of Tri-State Forestry Conferences.
 - 11. One Hundred Years of Natural Resources—out of print.
 - 12. Forest Reserve Guide-out of print.
 - 13. Trees of Indiana-\$1.25 in cloth. Postpaid.
 - 14. First Annual Report-April 1, 1919, to September 30, 1919.
 - 15. Second Annual Report—October 1, 1919, to September 30, 1920.
 - 16. Survey of Natural Resources-limited edition.
 - 17. Breeding of Skunk.
 - 18. Fish and Game Laws-A Digest-1921.
 - 19. Assessment of Forest Lands.
 - 20. Points of Interest in Indiana.
 - 21. Handbook of Geology-on press.

MISCELLANEOUS

Railway and Hotel Guide to State Parks-exhausted.

Auto Roads Hotel Rates, Railway Schedules to State Parks and Reservations—eight pages—exhausted.

Your Part in a United Effort to Protect the Fish, Game and Birds of Indiana—six pages—Chas. Biederwolf—exhausted.

Post cards (Turkey Run)—twelve subjects.

Post cards (McCormick's Creek Canyon)—twelve subjects.

REPORT OF THE STATE BOARD OF ACCOUNTS

MEMBERS OF THE BOARD

WARREN T. McCRAY, Governor. WILLIAM G. OLIVER, Auditor of State. JESSE E. ESCHBACH, State Examiner.

DEPARTMENT OF INSPECTION AND SUPERVISION OF PUBLIC OFFICES

JESSE E. ESCHBACH, State Examiner. LAWRENCE F. ORR, Deputy Examiner. WALTER G. OWENS, Deputy Examiner.

The public accounting law of Indiana is very generally endorsed today and we believe it to be the best and most economical accounting law of any state in the union.

The board consists of the Governor and the Auditor of State, who are members ex-officio, and a State Examiner, appointed by the Governor for a term of four years. The chief executive officer of the State Board of Accounts is the State Examiner, who is assisted in the administrative work of the office by two deputy examiners. The duties of the State Board of Accounts are to prescribe and install a uniform system of accounting and reporting for all public offices and institutions which will exhibit in clear, succinct and understandable form all receipts and expenditures of public money, the use and disposition of public property, and the sources of all public revenue; to determine the validity of all financial transactions involving public money; to formulate all statements and reports required for the internal administration of any public office; to conduct periodical examinations of the financial operations of every state, county, township, city and town office, as well as all public service industries, such as municipal light and water plants; to recover all public money unlawfully obtained by any public official by fraud, delinquency, negligence, peculation, ignorance or misunderstanding; and to guide and assist public officials in the discharge of the duties of their respective offices by the promulgation of administrative orders, rulings and regulations and the construction and interpretation of the statutes under which they are required to operate.

UNIFORM ACCOUNTING

In compliance with the provisions of the public accounting law, the State Board of Accounts has developed, prescribed and installed a uniform and simplified system of bookkeeping and accounting for each of the public offices and state institutions of Indiana. Under this system, less time is required than formerly to keep public records.

FIELD EXAMINERS

The work of examining and investigating public offices and installing public records is assigned to field examiners, who are appointed by the State Examiner. All candidates for the position of field examiner are required to pass an open, competitive examination, are selected on account of their fitness and ability and are assigned to duty in pairs, representing opposite political parties. At the close of each examination the field examiners confer with the officer whose records have been examined and verify each item of error charged against him; if the officer's explanation is satisfactory, credit is given for all items satisfactorily explained and the officer may then pay the amount of the remaining errors to the proper authority and be given proper credit. proximately 85% of all errors and irregularities have been settled with delinquent officials in this manner by the field examiners. The discrepancies disclosed in public records by the field examiners are largely due to mistakes and misinterpretations of the law, and public officers generally have displayed a spirit of willingness and frankness in the adjustment of discrepancies.

AUTHORITY OF THE BOARD

The board of accounts does not confine its activities exclusively to the auditing of accounts of public officers and the recovery of public funds which are knowingly or unwittingly misappropriated. A mere audit of public accounts will give no idea of the range or magnitude of the irregularities and malpractices which have obtained throughout the state in awarding public contracts, disbursing public money and carrying on public work. The official acts of the department have been based on the theory, amply sustained by the express provisions of the accounting law, that everything should be done which will aid public officials in preventing the waste of public funds and guarantee value received for each dollar of public money expended. The operation of the department in the discharge of these ancillary public functions has yielded the most beneficent results. Among the more conspicuous and flagrant abuses which the board of accounts has investigated and practically eliminated are the sale of "short weight" furnaces and bridges, vending of teachers' contracts, malpractices in the construction and repair of bridges and free gravel roads, and the practice of charging different prices for the same articles when sold under substantially identical conditions.

ROADS AND BRIDGES

The loss in construction of roads throughout the state aggregates millions of dollars. There are many instances where bridges did not contain the required amount of material as provided in the specifications, and were badly and improperly constructed; of short weights; of the construction of dredge ditches which did not comply with the plans and specifications; of short yardage of gravel and stone in the construction of roads; of various inferior materials and workmanship on public building contracts; of fictitious names carried on payrolls where no work was done at all; of the destruction of time sheets and time books;

and of the endorsements of spurious checks to the extent of thousands of dollars by unsuspecting endorsers. These unfortunate conditions were made possible by the loose methods of doing business and the opportunities which formerly existed by which frauds could be practiced by collusion among commissioners, gravel road engineers and contractors.

Many of these practices have been eliminated by the investigations and examinations conducted by the State Board of Accounts through its field examiners and civil engineers. One obstacle which stands in the way of further progress is the fact that many county surveyors are without any technical knowledge whatsoever with which to perform the duties of their office. Almost invariably, the county surveyors have charge of the plans and specifications for all bridges, turnpikes, roads, ditches, drains, levees and other surveying and engineering work. The value of public highways alone which are constructed annually under the supervision of the county surveyors aggregates three or four million dollars. The law provides a per diem for the official services of surveyors; as high as seven per diems have been charged for a single day; and the expense accounts vary 500% in some counties in comparison with other counties in performing the same services; bridge companies furnish plans and specifications free to the county surveyor, although the surveyor receives pay from the county for preparing such plans and specifications and the surveyor then uses his influence with the board of commissioners in favor of such bridge companies. It is such intolerable practices as these which clearly demonstrate the necessity of an investigation as well as an audit and the election of men to the office of county surveyor of technical ability and known probity.

BUDGET SYSTEM

Under the provisions of the public accounting law, providing for the adoption and installation of complete forms, records and accounts for the proper conservation of all public expenditures, the State Board of Accounts is entrusted with the necessary authority to prepare forms for the estimate of receipts and expenditures for public offices, except such offices as receive their appropriations directly from the General Assembly, and the department has prepared a complete budget system for state offices, institutions, boards, bureaus and commissions for all county, city, town and township offices. This budget is so devised that it will not in any way infringe upon the constitutional prerogatives of the members of the General Assembly; it will furnish accurate information for executive recommendations, and a basis for legislative review, criticism and final action; and has been fully approved by Professor E. M. Fullington, at one time budget commissioner and for ten years at the head of the State Board of Accounts of Ohio.

The adoption of the "budget system" as prescribed and installed by this department in the various offices throughout the state means a total saving of large sums of money annually and materially reduces the expense of examination of public offices by the State Board of Accounts. The president of the county council of one of the largest counties of the state asserted that by reason of the "budget system" prepared by the State Board of Accounts, they were enabled to reduce their appropriations more than \$100,000.00 in one year.

The statement has frequently been made by persons who do not understand the work of the department, that every dollar expended in its administration was a total loss to the state and its municipalities. For the information of those who insist upon measuring the value of the law in dollars and cents, we set out herein a condensed financial statement of the expense of the department and the total recoveries to the state and its municipalities for the fiscal year ending September 20, 1921.

While it is shown there has been recovered and returned to the different municipalities, as the result of our examinations \$42,464.33 over and above the total expense of the department, the preventive and repressive effect has been worth many times this amount to the taxpayers of the state.

STATE BOARD OF ACCOUNTS

STATEMENT OF CHARGES AND SETTLEMENTS FOR FISCAL YEAR ENDING SEPTEME	ER 30, 19	921
Charges pending settlement October 1, 1920	\$201,757	36
Charges docketed during year ending September 30, 1921	429,914	47
Total	\$631,671	83
Adjusted by field examiners\$138,398 93		
Paid to department		
Paid to municipalities 29,457 23		
Total \$170,201 86		
Credits on explanation		
Certified to Governor 26,322 30 Pending settlement in department October 1, 1921 396,435 20		
Pending Settlement in department October 1, 1921 390,435 20	\$631,671	83
	φυσι,στι	00
REPORTS CERTIFIED AND RECALLED		
Pending settlement October 1, 1920	\$8,077	88
Recalled during year ending September 30, 1921	5,453	70
Total	\$13,531	58
Paid \$95 85		
Dismissed		
Pending October 1, 1921		
" e	13,531	58
CERTIFIED REPORTS		
Pending settlement in Attorney-General's office October 1, 1920	\$501,718	70
Certified during year ending September 30, 1921	26,322	
Total	\$528,041	00
Recalled by department	ψ020,011	00
Collected by Attorney-General		
Dismissed 24,057 31		
Pending settlement October 1, 1921 492,485 73		
	528,041	00
TOTAL RECOVERIES		
By department	\$170,297	71
By Attorney-General	6,044	
Total	\$176,341	97

DISBURSEMENTS

October 1, 1920, to September 30, 1921

OFFICE

Salaries \$17,194 48 Office and traveling expense 1,668 09	
Total	\$18,862 57
FIELD EXAMINERS	
Per diem\$112,695 00	
Railroad fare 2,320 07	
	\$115,015 07
Total expense	\$133,877 64
Appropriations for office salaries and expense	\$31,700 00
Disbursements for office salaries and expense	18,862 57
Amount reverting to general fund	\$12,837 43
Total recoveries	\$176,341 97
Total expense	133,877 64
Recoveries over and above all expense	\$42,464 33

REPORT OF THE STATE BOARD OF CERTIFIED ACCOUNTANTS

JESSE E. ESCHBACH, President. LAWRENCE F. ORR, Secretary. WALTER G. OWENS, Treasurer.

Due to the efforts of Senator C. O. Holmes of Gary, in co-operation with the State Board of Certified Accountants, the 1921 legislature enacted a certified public accountant law which supersedes the 1915 act and is more in keeping with the present day needs of the accountant and the operations of the State Board of Certified Accountants of Indiana. The new law became effective March 10, 1921, with the approval of the Governor.

The chief purpose of the 1921 law is to elevate the standards of accountancy in Indiana by a close co-operation with other states on a national and uniform basis in holding C. P. A. examinations.

The State Board of Certified Accountants accepted the plan offered by the American Institute of Accountants and conducted its first examination under said plan in November, 1919. Examinations followed in May and November, 1920, under the same arrangements. The board realized that the plan was far more beneficial to accountants than at first anticipated and having operated under said plan could not afford to drop it. Consequently the new law was written in order that the board might have full authority to make rules and requirements tending toward the closest possible national co-operation.

At present, there are thirty-seven states, including Indiana, operating under the auspices of the American Institute of Accountants and examinations covering a period of two days are held the middle

of May and November each year on exactly the same days, the same hours, and with the same questions in all of said states. Manuscripts submitted by candidates so examined are graded by the examiners of the institute and certificates are issued to applicants whom the examiners of the institute have declared successful.

The Indiana law provides that a citizen of the United States or a person who has duly declared his intention of becoming such citizen, not less than twenty-one years of age; of good moral character; a graduate of a high school or having received an equivalent education, with at least three years' experience in the practice of accounting and who has received from the State Board a certificate of his qualifications to practice as a public accountant shall be styled and known as a certified public accountant.

Under the provisions of the law, the board is required to hold semiannual examinations for candidates desiring to obtain Indiana certificates. The board is also given authority to issue certificates without examination to applicants who hold certificates issued by other states, provided that the requirements of such other states for obtaining C. P. A. certificates are substantially the same as those provided by the Indiana C. P. A. law and the rules of the board, and provided further that such states will agree to enter into reciprocal relations with the Indiana board. The board is also granted authority to issue certificates without examination to members of the American Institute of Accountants.

As a result of the new law and the plan of co-operation with other states under the American Institute of Accountants, the number of candidates has steadily increased and as a fee of \$25.00 is required of each applicant for a certificate, a neat sum is paid into the State Treasury each year. The law provides that the amount in excess of \$100.00 at the end of the fiscal year shall be paid into the state treasury after all expenses of the board have been met. Fees on hand from candidates whose applications have not been passed upon by the board are also retained in the treasury at the end of the year.

The effort of the State Board of Certified Accountants of Indiana is to maintain a high standard of accountancy. The Indiana certificate is attained through merit and qualifications and is unexcelled by any C. P. A. certificate issued in the United States.

FINANCIAL STATEMENT

RECEIPTS

Oct. 1, 1920—Fees on hand, applications pending. Fees received from applicant. Depository interest	2,360	00
Total	\$2,633	29
DISBURSEMENTS		
Salary of secretary and treasurer	\$ 223	28
Fees refunded	295	00
Convention expense	104	37
Office and examination expense	1,370	28
Sept. 30, 1921—Paid to treasurer of state	515	36
Balance retained in treasury of board	125	00
Total	\$2,638	29

REPORT OF THE SPECIAL COAL AND FOOD COMMISSION OF INDIANA

JESSE E. ESCHBACH, Chairman. JAMES P. GOODRICH, Vice-Chairman. July 31, 1920—January 10, 1921.

WARREN T. McCRAY, Vice-Chairman. January 10, 1921—March 31, 1921.

OTTO L. KLAUSS, Secretary. July 31, 1920—December 1, 1920.

WILLIAM G. OLIVER, Secretary.
December 1, 1920—March 31, 1921.

On October 5, 1920, after wide investigations and extensive hearings, the commission promulgated three orders: Order number one fixing the maximum price of coal at the mouth of the mine; orders numbers two and three fixing the margin of profit to wholesalers and retailers of coal respectively.

From time to time, slight modifications were made in these orders to meet local or changing conditions.

With few exceptions, the prices as fixed by the commission were followed strictly by the mine operators, wholesalers and retailers. As a result, the price of coal to the consumer was reduced in many cases fifty per cent.

It was conservatively estimated that in addition to funds paid to the State Treasury Department, the efforts of the special coal and food commission saved more than a million and a half dollars to the coal consumers of Indiana.

The report submitted to the Indiana General Assembly shows cash receipts and disbursements as follows:

Collected as license fees		
Total collections by the commission	\$113,350	
Total cost of commission, experts, etc	39,923	84
Balance in state treasury	\$ 73,426	71

The act creating the special coal and food commission was an innovation in Indiana legislation.

The results obtained in a great economic emergency justified the means and proved the wisdom of the enactment.

The exercise of the state's police power to save the inhabitants thereof from actual suffering has proved the efficacy of such legislation to serve the people in an impending crisis.

REPORT OF THE INDIANA STATE LIBRARY

OFFICIAL ORGANIZATION

LIBRARY BOARD

L. N. HINES, President, State Superintendent of Public Instruction.

WM. W. PARSONS, President State Normal School.

WM. L. BRYAN, President Indiana University.

W. E. STONE, President Purdue University.

ELLIS U. GRAFF, Superintendent Indianapolis Schools.

L. P. BENEZET, Superintendent Evansville Schools.

LOUIS C. WARD, Superintendent Fort Wayne Schools.

F. F. HEIGHWAY, Superintendent Lake County Schools.

MRS. E. E. OLCOTT, North Vernon.

ELWOOD HAYNES, Kokomo.

GEORGE R. GROSE, President Depauw University.

CLIFFORD FUNDERBURG, Superintendent Huntington County Schools.

HARRY F. FIDLER, Indianapolis.

DEMARCHUS C. BROWN, Librarian and Secretary of Board.

STATE LIBRARY STAFF

DEMARCHUS C. BROWN, State Librarian.

GRACE NIXON, Secretary to the Librarian.

M. MARGUERITE LEWIS, Copyist.

FLORENCE VENN, Reference Librarian.

MARY H. ROBERTS, Assistant Reference Librarian.

ANNA POUCHER, Assistant.

FRANCES A. YORN, Assistant.

JENNIE SCOTT, Chief Cataloger.

LUELLA NELSON, Assistant Cataloger.

NORRIS JESSUP, Assistant.

MAUD VENN, Assistant.

FLORENCE SANDERS, Assistant.

HARLOW LINDLEY, Director History and Archives Department.

ESTHER U. McNITT, Assistant.

O. P. BOWMAN, Custodian and Messenger and Shelf Assistant.

GEORGE DAVIS, Janitor.

CREATION AND HISTORY

The Constitutional Convention of 1816, by resolution, recommended to the General Assembly the establishment of a State Library, but no legislative action was taken until 1825, when the Secretary of State was directed to act as librarian, the Governor, Secretary of State, auditor and treasurer serving as a board of commissioners. This arrange-

ment continued until 1841 when the library became a separate institution, the librarian being appointed by the legislature. In 1867 the law books were taken from the general collection and organized into the law library under the control of the supreme court. In 1895 the library was recognized as a part of the educational system of the state and placed under the control of a non-partisan body, the State Board of Education. Circulation of books in the early days was very much restricted and did not become general until 1903. The legislative reference department was organized in 1907 and became a separate bureau in 1913. The Department of Indiana History and Archives was created in 1913. Its specific duties are the collection and preservation of material relating to Indiana history.

DUTIES AND FUNCTIONS

The State Library is primarily a reference library. It has four main functions: To aid state officers in their official business; to distribute information to citizens of the state; to collect and preserve all Indiana material and documents of the United States and other states; to distribute Indiana documents. It is not, therefore, a library which contains current fiction or much popular reading of any sort.

Especial effort is made to serve state officials, particularly those bureaus and commissions the nature of whose work requires frequent reference to books. Their needs are consulted in the purchase of books and magazines, and suggestions from them as to additions are welcomed.

Until 1903 the foregoing duties were the chief ones of the State Library. In this year, however, a new and very important one was added when the law was passed allowing the books of the State Library to be loaned to all citizens of the state. Certain classes are necessarily restricted, but all ordinary books are circulated as freely as to the books of any public library. Thus a new field of activity has been opened up, whose educational possibilities can scarcely be exaggerated. From a small beginning the work has gradually been extended until now books and magazines go from the State Library to every corner of the state.

For reference work the State Library serves as a court of higher appeal to the smaller public and college libraries that, with their limited resources, have difficulty in furnishing all the books now demanded by their readers. It also offers library facilities to individuals, schools and clubs who live in the country or in towns where no library exists. Loans are made through the libraries when possible, and direct to the individual if he has access to no library. All classes are reached except children under high school age. Women write for help not only on literary and art subjects, but frequently on household questions and care of children. Men are interested in professional or occupational subjects, engineering, blacksmithing, selling real estate, business management, to name only a few of the varied calls in this field. High school and college students keep us busy with requests for supplementary reading or for their debates on immigration, labor problems and other questions of the day. We try to answer all letters fully and promptly and

in cases where we do not have the required information, indicate, if possible, some other source which may be accessible to the writer. This year there was no county in the state which did not receive books from the State Library.

SPECIAL COLLECTIONS

In general, the library has been most fully developed in the fields of history (particularly of the United States), sociology, political science, education, economics and technology. The literature, art and science departments, rather neglected in the earlier days because of the restricted use of the library, are being added to as rapidly as funds permit and the calls justify. Lack of space and money forbid the purchase of much in all departments that we should have, but any attempt at completeness being thus denied, we aim at a well selected collection as a second best goal.

Its most notable collection is that on Indiana, by far the most nearly complete in existence, of material relating to Indiana or by Indiana writers. Reports, pamphlets, histories, newspapers, manuscripts, maps, pictures, etc., relating to the state, form a small library in themselves and contain many items which are exceedingly rare or even unique.

It also contains what is, except for some very early publications, practically a complete file of federal documents. These are classified and catalogued, and form an invaluable source of information, much of which is inaccessible elsewhere. These are not loaned but often references can be given so that the inquirer can secure the documents for himself. Reports of other states are sent in exchange for those of our own state and these are often very useful, particularly for information on natural resources, such as oil, gas and coal. Canadian and British documents are received regularly.

The State Library has the only collection of books for the blind that circulates generally. The majority of new purchases are now in the standard type, Revised Braille. The books are exceedingly expensive, but the cost is well justified by the appreciation of those who use them. One blind reader writes us: "If the enjoyment which I have had at the expense of the Indiana State Library were to turn into property, the library for the blind would be able to treble its capacity."

The library receives 118 newspapers, most of which are published in the state, each county being represented as far as possible, and 214 magazines covering various activities such as political science, technology, art, music, history, education, etc. In addition to these, the proceedings of national organizations and learned societies form an indispensable part of the reference material. The library of the Indiana Academy of Science has been catalogued and is kept as a separate unit on the shelves of the State Library. Its books are available for reference to any one but are loaned only to members of the academy.

This year we have collected and organized the nucleus of what will become, we hope, a good picture collection. It is confined entirely to art and for the present at least, we do not contemplate extending into other fields. It now consists of about seven hundred color reproductions of great paintings, mostly old masters but some modern. The reproduc-

tions are Medici and Seeman prints, the latter of quite good size. Both are extremely good in color. There are also some five hundred small black and white pictures, all of old masters. These pictures are loaned on the same terms as books. We hope that they will prove useful to clubs and schools.

REFERENCE DEPARTMENT

FOR THE YEAR OCTOBER 1, 1920, TO OCTOBER 1, 1921

Books
Borrowers
Places (daily average 15.5)
New registrations
Reference letters
Readers
Blind:
Books 787
Borrowers 663

DEPARTMENT OF INDIANA HISTORY AND ARCHIVES

An act approved March 6, 1913, concerning the organization of the departments of the State Library provided for the creation of a Department of Indiana History and Archives. This act provides that the Department of Indiana History and Archives shall have the following objects and purposes:

"1. The care and custody of official archives which come into the possession of the State Library; the collection of materials bearing upon the history of the state and of the territory included therein; the diffusion of knowledge in reference to the history of the state; the encouragement of historical work and research.

"2. The examination and classification of documents and records not of present day use to their respective departments.

"3. Co-operation with any of the educational institutions of the state in any manner approved by the State Librarian, with the consent of the library board."

The act also provides that "Any state, county, or other official is hereby authorized and empowered at his discretion, to turn over to the State Library for permanent preservation by the Department of Indiana History and Archives, any official books, records, documents, original papers, newspaper files and printed books and material, not in current use in his office."

The department, in co-operation with the Indiana Historical Commission, is giving special care to the collecting of war material as it concerns Indiana, and is securing all the available war records, pictures, etc., of the various counties of the state, and binding and preserving permanently all the original letters and papers dealing with any phase of Indiana's part in the world war.

During the year the department has secured manuscripts, pamphlets, scrap books, diaries, letters and biographical material.

The department is planning to co-operate with the Indiana Historical Commission and the Department of Conservation in making an archaeological and historical survey of the state.

CATALOGING DEPARTMENT

REPORT FOR THE YEAR ENDING SEPTEMBER 30, 1921	
Accessions	3,380
Pamphlets received	804.
Volumes cataloged and added—	
Miscellaneous:	
Newspapers 152	
General works	
Philosophy	
Religion	
Sociology 2,386	
Philology	
Science	
Useful arts	
Fine arts	
Literature	
Description and travel	
Biography 121	
History 668	
5,592	
Federal documents	
State documents 2,047 State documents 1.154	
Foreign documents 493	
Blind 101	
Dind	
	9.887
Titles added	1,479
Analyticals	1,913
Revisions	296
Cards added	12,349
Sheets added	494
INDIANA ACADEMY OF SCIENCE	
Volumes cataloged and added	420
Titles added	14
Analyticals	28
Number of volumes in library, 91,753.	

GIFTS AND DEPOSITS

A careful record of gifts and deposits is kept. While there are many, the number would be much larger if the state would provide more room.

STAFF POSITIONS

The merit system has long been established in the State Library. Rules and regulations under the law have been formulated by the State Library Board. These may be seen in the records.

NEWSPAPERS RECEIVED AT THE STATE LIBRARY

DATLY

Anderson Daily Bulletin. Bedford Daily Democrat.

Bicknell News.

Bloomington Evening World.

Bluffton Banner. Boston Transcript. Brazil Daily Times. Chicago Tribune.

Columbus Evening Republican. Crawfordsville Journal.

Decatur Daily Democrat. Evansville Courier.

Fort Wayne Journal-Gazette.

Gary Evening Post. Goshen Daily Democrat. Huntington Herald. Indiana Daily Times.

Indianapolis Commercial. Indianapolis News. Indianapolis Star.

Jeffersonville Star. Kansas City Star.

Kokomo Tribune.

Fafavette Courier.

Laporte Argus.

Logansport Pharos Tribune.

Madison Courier. Marion Chronicle.

Monticello Journal.

Muncie Evening Press. Muncie Morning Star.

New York Times.

Peru Evening Journal.

Princeton Clarion-News. Princeton Democrat.

Richmond Palladium.

Rochester Sentinel.

Rushville Republican. San Francisco Examiner.

Seymour Republican.

Shelbyville Democrat.

Shelbyville Republican.

South Bend Times.

South Bend Tribune.

Valparaiso Vidette.

Wabash Plain Dealer.

SEMI-WEEKLY

Rensselaer-Jasper County Democrat

WEEKLY

Albion New Era. Angola Herald.

Angola-Steuben Republican.

Attica-Fountain-Warren Democrat.

Benton Review.

Bloomfield News. Boonville Standard.

Brazil Democrat.

Brookville American.

Brookville Democrat.

Brown County Democrat.

Carroll County Citizen-Times.

Corydon Democrat.

Corydon Republican. Covington Republican.

Crawford County Democrat.

Danville Republican. Franklin Democrat.

Greensburg Standard.

Hobart Gazette.

Huntingburg Independent.

Huntington-Our Sunday Visitor.

Indianapolis-

Columbian Record.

Deutsch-Americanische Buchdrucker

Zeitung.

East Side News.

Marion County Mail.

Indianapolis-Continued.

National Enquirer.

Silent Hoosier.

South Side News.

Union.

World.

Jasper Courier.

Jasper Herald.

Kentland-Newton County Enterprise.

Lake County Star.

Lagrange Standard.

Lebanon Pioneer.

Ligonier Banner.

Monticello Herald.

Mooresville Times.

National Republican.

New Harmony Times.

North Judson News.

North Vernon Sun.

Orleans-Progress Examiner.

Oxford Gazette.

Paoli Republican.

Peru Republican.

Petersburg-Pike County Democrat.

Plymouth Democrat.

Plymouth Republican.

Pulaski County Democrat.

Rockport Democrat.

WEEKLY-Continued

Rockport Journal. Rockville Republican. Rockville Tribune.

Rocky Mountain Herald.

Salem Democrat.

Salem Republican-Leader.

Shoals News.

Spencer-Owen County Democrat.

Starke County Democrat.

Tell City News. Versailles Republican. Vevay Reveille.

Washington-Daviess County Democrat.

Waterloo Press.
White River News.
Williamsport Pioneer.
Winchester Journal.

LIST OF PERIODICALS RECEIVED AT THE STATE LIBRARY

Addisonia.

American Anthropologist. American Antiquarian.

American Catholic Historical Society

Record.

American Child. American City.

American Economic Association Publi-

cations.

American Federationist.

American Forestry.

American Historical Review.

American Indian Magazine.

American Journal of Archaeology.

American Journal of International Law.

American Journal of Physiology.

American Journal of Public Health.

American Journal of Sociology.

American Journal of Theology.

American Legion Weekly. American Naturalist.

American Political Science Review.

American Society of Civil Engineers—

Monthly Transactions.

American Statistical Association Pub-

lications.

Annales de l'Institute Pasteur.

Annals of the American Academy of Political and Social Science.

Annals of the Entomological Society of America.

Architectural Record.
Army and Navy Register.
Art and Archaeology.
Arts and Decoration.

Asia.

Association Men.
Atlantic Monthly.
Bankers' Magazine.
Better Roads.
Biblical World.

Book Review Digest.

Bookman.

Botanical Abstracts. Botanical Gazette. Breeders' Gazette.

British Journal of Tuberculosis. Bulletin of Bibliography.

Bulletin of Bibliography.

Bulletin de la Societe Chemique.

Business Digest. Century Magazine. Chemical Abstracts.

Chemical and Metallurgical Engineering.

Christian Science Journal. Christian Workers' Magazine.

Collier's Weekly.
Commerce Monthly.

Commercial and Financial Chronicle.

Community Builder.

Concrete Highway Magazine. Confederate Veteran.

Contemporary Review. Country Life.

Cumulative Book Index.
Current History Magazine.
Current Opinion.

Current Opinion.

Dearborn Independent.

Deutsch-Americanische Geschichtsblatter.

Dial.

Drama.

Earlham Press.
Edinburgh Review.

Education.

Educational Issues.

Educational Review.

Educator-Journal.
Electric Railway Journal.

Electrical World.

Elementary School Journal.
Engineering and Contracting.
Engineering and Mining Journal.
Engineering News-Record.

Egineering World.

Essex Institute Historical Collections.

Farm Life.
Forum.
Gas Age.
Genealogy.
Good Govern

Good Government. Gospel Trumpet. Harper's Magazine.

Heating and Ventilating Magazine.

Hibbert Journal. Historical Outlook. Hoosier Motorist. Independent.

LIST OF PERODICALS-Continued

Indiana Farmer's Guide. Indiana Magazine of History.

Indianian.

Indianapolis Medical Journal.

Industrial Arts Index.

Industrial Arts Magazine.

Industrial Management.

International Studio.

Iowa Journal of History and Politics.

Iron Age.

Johns Hopkins Studies in History and Science.

Journal of Accountancy.

Journal of the American Chemical Society.

Journal of American Folk-lore.

Journal of American History.

Journal of the American Institute of Criminal Law and Criminology.

Journal of the American Water Works
Association.

Journal of Bacteriology.

Journal of Biological Chemistry.

Journal of Economic Entomology.

Journal of Experimental Zoology.

Journal of the Franklin Institute.

· Journal of Geology.

Journal of Home Economics.

Journal of the Indiana State Medical Association.

Journal of Industrial and Engineering Chemistry.

Journal of Industrial Hygiene.

Journal of Infectious Diseases.

Journal of Political Economy.

Journal of the Society of Comparative Legislation.

La France.

Library Journal.

Life.

Literary Digest.

Living Age.

Magazine of History.

Manual Training Magazine.

Marine Biological Bulletin.

Maryland Historical Magazine.

Matilda Ziegler Magazine for the Blind.

Mayflower Descendant.

Mechanical Engineering.

Mexican Review.

Midland Naturalist.

Missionary Review of the World.

Mississippi Valley Historical Review.

Missouri Historical Review.

Municipal Engineering.

Musical America.

Nation.

National Academy of Sciences.

National Economic League Quarterly.

National Education Association.

National Geographic Magazine.

National Municipal Review.

Nation's Health.

New England Historical and Genealogical Register.

New England Water Works Association Journal.

New Republic.

New York Genealogical and Biographical Record.

New York Times Book Review.

Nineteenth Century.

North American Review.

North Carolina Booklet.

Official Guide.

Open Road.

Oregon Historical Society Quarterly.

Our Boys.
Outlook.

Overland Monthly.

Pan-American Union Bulletin.

Pedagogical Seminary.

Pennsylvania Magazine of History and Biography.

Playground.

Poet Lore.

Political Science Quarterly.

Public Libraries.

Public Service Management.

Public Utilities Reports.

Public Works.

Publishers' Weekly.

Quarterly Journal of Economics.

Railway Age.

Readers' Guide to Periodical Literature.

Readers' Guide Supplement.

Review.

Review of Reviews.

Royal Society: Biological Proceedings.

Royal Society: Mathematical and Physical

Science Proceedings. School and Society.

Galant Danie

School Review.

Science.

Scientific American.

Scientific American Monthly.

Scientific Monthly.

Scribner's Magazine.

Sewanee Review.

South American.

South Atlantic Quarterly.

South Carolina Historical and Genealogical

Magazine.

Southwestern Historical Quarterly.

Soviet Russia.

Special Libraries.

Spectator.

Standard Bond Offerings.

Survey.

System.

Tennessee Historical Magazine.

Theatre.

LIST OF PERODICALS-Continued

Theosophical Quarterly.

Tyler's Historical Magazine.

United Mine Workers' Journal.

United States Bulletin.

U. S. Investor.

Virginia Magazine of History and Biography. Yale Review.

Visual Education.

FINANCIAL STATEMENT

The following is a statement of the receipts and disbursements of the state library for the year ending September 30, 1921.

APPROPRIATIONS			
Appropriations—regular		\$31,000	00
Receipts aside from appropriations		16	37
	-		
NAME OF THE PROPERTY AND THE PROPERTY AN	•	\$31,016	37
DISBURSEMENTS			
Salary of Librarian		\$ 2,500	00
Salaries in office department		2,834	06
Salaries in catalog department		6,658	00
Salaries in reference department		5,464	75
Books and binding		6,984	49
Indiana history and archives		4,519	55
Cabinets		298	76
Office expense, supplies and distribution		1,546	63
Traveling expense		113	83
	_		
Total	9	30,920	07

INDIANA LAW LIBRARY

Balance\$

CHARLES E. EDWARDS, Librarian. RICHARD W. ERWIN, Assistant Librarian.

The Indiana Law Library had its beginning in an act passed by the legislature in the year 1876, providing separate rooms for the law books then in the State Library; placing them in the custody of the supreme court; authorizing the judges to make such purchases of books as they might deem advisable, and make rules and regulations for the use of the library. The beginning was small, for the books transferred to the custody of the court were very few, and its present magnitude is a source of gratification to all who have been connected with the library in the fifty-five years of its existence. The library is estimated to contain about 70,000 volumes, 340 volumes being added the past year. The library is in constant use by attorneys from this and other states, and is of much help to the law students from the different schools. The members of the supreme court who have control and custody of the library are:

Hon. Howard L. Townsend, Chief Justice; Hon. Louis B. Ewbank; Hon. David A. Myers; Hon. Benjamin M. Willoughby; Hon. Julius C. Travis.

REPORT OF THE INDIANA HISTORICAL COMMISSION

DR. FRANK B. WYNN, President. SAMUEL M. FOSTER, Vice-President. HARLOW LINDLEY, Secretary.

WARREN T. McCRAY.

JAMES A. WOODBURN.

CHARLES W. MOORES.

MATTHEW J. WALSH.

MRS. JOHN N. CAREY.

LEW M. O'BANNON

JOHN W. OLIVER, Director. LUCY M. ELLIOTT, Assistant Director.

The Indiana Historical Commission was created by an act of the legislature, approved March 8, 1915. (Chapter 109, page 455.) The commission consists of nine members, not more than five (5) of whom shall be of the same political faith: Ex-officio members are the Governor, the director of the Indiana Historical Survey of Indiana University, and the director of the Department of Indiana History and Archives of the State Library. The additional six members are appointed by the Governor, one of whom is nominated by the Indiana Historical Society.

RENEWED INTEREST IN STATE AND LOCAL HISTORY

One of the special duties assigned to the Indiana Historical Commission by the legislative act above mentioned was that of providing for a centennial celebration of Indiana's one hundredth birthday in 1916. For the first time in Indiana history Hoosiers in all parts of the state turned aside from their ordinary duties during that year, long enough to take a census of the state's development during the first century of its existence. Reverence was paid to the pioneer men and women whose labor and sacrifice made possible the founding of our state. Their lives, their achievements, and the institutions which they created, were studied and honored by thousands of loyal descendants throughout Indiana.

On the eve of Indiana's one hundredth anniversary the schools of the state devoted special attention to the study of Indiana history. Clubs, societies, church organizations, and other groups all took up the subject, and literally thousands of Hoosiers were eagerly seeking and reading the story of Indiana's development. The knowledge gained at that time created a much greater feeling of reverence and respect for our pioneers than had ever been noted before. It also gave rise to a general demand for the study and preservation of Indiana history.

In most of the counties of the state, local historical celebrations were held during the centennial year. This occasion was used for developing a keener interest in the study of local history. The program

usually consisted of a pageant or historical revue, and gave opportunity for the children of this generation to see enacted again those scenes that attended the early settlements of their county and state. As they sat and watched the characters who represented the first settlers of their community pass before them in review, they saw their own history unfolding in their very presence. And a resolution was made to study anew the lives of those noble men and women, the first to break a pathway through the wilderness and make possible a future state. The interest aroused by the centennial celebration in 1916 in creating a new appreciation for Indiana history was state-wide, and a great impetus was given for further promoting its study by all loyal Hoosiers.

CENTENNIAL PUBLICATIONS

One of the duties of the Indiana Historical Commission during the centennial year was that of publishing documentary source material, and other material relating to Indiana history. The following four publications appeared as a result of the state's centennial:

CONSTITUTION MAKING IN INDIANA (two volumes): By Dr. Charles Kettleborough of the Indiana Bureau of Legislative Information.

Volume One presents the historical background, from the cession of the Northwest Territory to the United States, covers the Constitution of 1816 and the attempts at amendment up to 1850. Volume Two treats of the Constitution of 1850-1851 and the attempts to amend up to 1916. Copious and valuable notes are included in both volumes. The Mississippi Valley Historical Review in referring to this publication, describes it as "an important contribution to American political institutions."

INDIANA AS SEEN BY EARLY TRAVELERS: By Harlow Lindley of Earlham College.

This volume contains selections from valuable diaries and documentary publications which give the impressions recorded by early travelers who visited in Indiana. The material contained in this volume is confined almost entirely to the letters, diaries, and journals, preceding the year 1830. The *Indiana Magazine of History* in speaking of this publication describes it as a collection of source material which presents a vivid picture of early Indiana. A brief account of the individual writers precedes the various journals contained in this volume.

THE PLAY PARTY IN INDIANA: By Leah Jackson Wolford. This volume contains an interesting study of the play-party as a part of the folk customs of early Indiana pioneers. A large collection of games and songs, sung and played by the early settlers is contained in the volume. This publication has met with wide-spread interest and has received favorable comment from numerous critics. It is a distinct contribution to Indiana folk-lore history.

THE INDIANA CENTENNIAL (1916): Edited by Harlow Lindley.

This volume contains a complete account of the centennial celebrations, both state and county, that were held throughout Indiana during the centennial year of 1916. The centennial address of Governor Ralston, addresses made by the members of the historical commission, and copies of the three state pageants are included in full. The volume stands as a monument to the centennial workers, and will be the reference book for historical pageants and centennial celebrations held throughout the state in future years.

INDIANA WORLD WAR RECORDS

Since the close of the World War the historical commission has been devoting most of its attention to the work of collecting and compiling the official war history of Indiana. Realizing the great importance of collecting these official records before they are lost, the commission turned its attention directly to this work immediately following the signing of the armistice, and has succeeded in bringing together the most complete collection of war records ever assembled in the state.

Few states can claim a greater number of signal honors for the part their citizens played in the World War than Indiana. Herewith are noted only a part of the honors officially credited to the Hoosier state:

It was an Indiana boy, James Bethel Gresham of Evansville, who was first of the American forces to give his life on foreign soil after the United States army started its drive against the enemy. He was killed in action on the morning of November 3, 1917, near Artois, France, in the first trench raid by the Germans on the American forces.

It was an Indiana boy, Sergeant Alexander Arch of South Bend, who fired the first shot from the American forces into the German trenches. The shot was fired at 6:05 o'clock on the morning of October 23, 1917.

The "Greatest Hero of the World War" was an Indiana boy, Captain Samuel Woodfill of Belleview, Jefferson County. When General John J. Pershing and the other generals of the American army were requested to select "the outstanding hero of the armed forces of the United States," to officially represent the ex-service men in honoring America's "Unknown Dead" on the anniversary of Armistice Day, November 11, 1921, they picked this Hoosier soldier. For bravery in action he received the Congressional Medal of Honor; the Legion of Honor; the Croix de Guerre with palm, and the Insignia of the Order of Prince Danilo the First of Montenegro. His citation reads: "For conspicuous gallantry and intrepidity above and beyond the call of duty in action with the enemy at Cunel, France, October 12, 1918. While he was leading his company against the enemy his line came under heavy machine gun fire which threatened to hold up the advance.

"Followed by two soldiers at twenty-five yards, this officer went out ahead of his first line toward a machine gun nest and worked his way around its flank, leaving two soldiers in front.

"When he got within ten yards of the gun it ceased firing and four of the enemy appeared, three of whom were shot by Lieutenant Woodfill. The fourth, an officer, rushed at Lieutenant Woodfill, who attempted to club the officer with his rifle. After a hand-to-hand struggle, Lieutenant Woodfill killed the officer with his pistol. His company thereupon continued to advance until shortly afterward another machine gun nest was encountered.

"Calling on his men to follow, Lieutenant Woodfill rushed ahead of his line in the face of heavy fire from the nest, and when several of the company appeared above the nest he shot them, capturing three other members of the crew and silencing the gun.

"A few minutes later this officer for the third time demonstrated conspicuous daring by charging another machine gun position, killing five men in one machine gun pit with his rifle. He then drew his revolver and started to jump the pit when two other gunners only a few yards away turned their gun on him. Failing to kill them with his revolver, he grabbed a pick lying nearby and killed both of them. Inspired by the exceptional courage displayed by this officer, his men pressed on to their objective under severe shell and machine gun fire."

It was a Hoosier soldier, Major General Omar Bundy of Newcastle, Indiana, who as commander of the Fifth American Army Corps stopped the German drive at Belleau Wood in the Chateau Thierry Sector in June, 1918. In General Bundy, "The hero of Belleau Wood," Indiana has furnished its greatest fighting soldier since the days of General Lew Wallace and General Henry W. Lawton. When the honor decorations for conspicuous bravery were officially conferred upon General Bundy, he was referred to as "The commander of the second division, who made of his unit a division of the first order and brilliantly contributed by his stubborn defense and his desperate counter-attacks in stopping the German offensive in front of Chateau Thierry." It was to this brave Hoosier soldier, who on June 10-12, 1918, the honor fell for turning the tide that threatened Paris, and who saved civilization.

It was to Indiana that official credit was given by the adjutant general of the United States army for having supplied in proportion to its population, more volunteers to the U. S. army (24,148) than any other state in the Union. Indiana furnished a total of 121,000 men to the United States army during the war and over 8,000 men for the United States navy.

Three thousand three hundred and fifty-four (3,354) sons and fifteen (15) daughters from Indiana paid the supreme sacrifice in the World War. A special volume known as the INDIANA GOLD STAR HONOR ROLL, dedicated to the memory of these heroes has been issued by the Indiana Historical Commission. (See below.)

Three hundred and forty-six (346) Hoosiers were cited for bravery in action, for the performance of extraordinary heroism while in line of duty. One hundred and twenty-three (123) Hoosiers received Distinguished Service Crosses; two hundred and thirteen (213) received Croix de Guerre Citations, while ten others received decorations from other foreign governments. An examination of the three hundred and forty-six citations granted, shows that not a few received as many as three medals for bravery.

Indiana men and women loaned the government \$498,000,000, approximately one-half billion dollars (\$451,000,000 for the purchase of

liberty bonds, and \$47,000,000 for the purchase of war savings and thrift stamps), as their share in financing the war.

And in conclusion it was a Hoosier lad, Earl Capper of Decatur County, who, when the war was over and when the terms of the peace treaty drawn up between the Allies and the German nation were ready for signing, sent forth the message on the morning of June 23, 1919, to all the world, announcing that Germany had signed. Young Capper, together with two other Hoosier soldiers, Claude M. Herr of Castleton, and Paul R. Stephenson of Indianapolis, were attached to the 39th Service Company, Signal Corps, in the office of the Commercial Cable Company, LeHavre, France. When the plenipotentiaries announced that the articles of the treaty of peace had been signed, the honor of ticking out the message on the tape which was carried by cable and telegraph to all points of the world, fell to the three Hoosier lads who were at that moment stationed in the cable office. It was they who sent forth these glad tidings to the war-weary people in the four parts of the globe.

It is doubtful whether another state in the union can claim so many honors as can Indiana for the part her people played in the great World War.

In collecting the war records, the historical commission has been ably assisted by local county historical societies, and special war history committees. Before the State Council of Defense was disbanded in 1919. the historical commission had arranged for taking over the work of gathering up the valuable records of this organization, and the dozen or more subsidiary committees appointed during the period of the war to carry on civilian war work. The historical commission succeeded in saving the complete records of the State Council of Defense, including all letters, correspondence, telegrams, official bulletins, and the minutes of all the meetings, which collection will in years to come be the chief source of study for the part played by Indiana in the World War. The same can be said regarding the collection of all papers, letters, correspondence, telegrams, statistical and financial sheets, relating to the history of the five liberty loan drives in Indiana. These records will be the source from which Indiana's part in the great work of financing the war will be studied.

In addition to the state records just mentioned the historical commission has been able with the aid of the local county historical societies and war history committees, to collect and permanently preserve the more valuable records relating to the part played by the individual counties in the World War. Included in the county war histories are to be found chapters relating to the activities of the county council of defense, the local draft board, the reports of the five liberty loan drives, the work of the Red Cross, the fuel administrator's report, the food administrator's report,—in short, reports covering all of the civilian organizations that helped in the work of fighting the war. These special committees, organized at the outbreak of the World War to carry on special civilian war work, played their part just as nobly as did the men who wore the uniform, and their records from the fundamental part of the state's official war history. At this date (December 1, 1921) sixty-two of the ninety-

two counties have completed their war histories. It is the plan of the historical commission to have every county in the state compile its war history before the close of another year.

WORLD WAR PUBLICATIONS

In addition to collecting the records of the various organizations that carried on war work, the historical commission has undertaken the publication of a series of volumes relating specifically to Indiana's part in the great world conflict. The first of these publications issued by the historical commission is the "Gold Star Honor Roll." This volume contains the names, pictures, and biographies of 3,354 men and fifteen nurses from Indiana, who paid the supreme sacrifice during the World War. Work upon the volume was begun early in 1919, and with the co-operation of local communities in the different counties the commission was able to prepare the most complete and the only official, Gold Star list of the state. Had work on the records of the Gold Star men been delayed for a period of three, four, or five years, it is doubtful whether more than fifty per cent of the photographs of the men could have been obtained. Fortunately the historical commission was able to procure pictures of all except about one hundred.

The volume is the first of its kind in the United States, and is a most fitting memorial to the memory of the men and women from Indiana who gave their lives for their country's service in the World War. On the pages of this volume will be preserved as long as time shall last, the stories of their brayery, and their images, which will always stand as an inspiration to others in giving their lives for a patriotic cause. By a special act of the legislature one copy of the volume was presented to each family in the state who lost a son or daughter while in service. Also one copy has been placed in each of the public libraries in Indiana and in each of the college, university, and normal school libraries of the state. "Of all the publications that have come to our notice devoted to the service of American soldiers in the World War, none is more attractive and appropriate than the Gold Star Honor Roll recently published by the Indiana Historical Commission. This book includes photographs and biographies of more than three thousand Indiana soldiers who died in the World War. Almost every brief biography is accompanied by a portrait. The work is well executed and attractively and substantially bound. Extensive correspondence and careful editorial work were necessary in its production. It is in every way highly creditable to the Indiana Commission."—Ohio Archeological and Historical Quarterly. July, 1921.

HISTORY OF THE LIBERTY LOANS IN INDIANA

The second volume to be issued by the Indiana Historical Commission will contain a history of the five liberty loan drives, and the war savings and thrift stamp campaigns in Indiana. The manuscript material for this volume is now being prepared by Walter S. Greenough of Indianapolis. Mr. Greenough acted as publicity director of the state liberty

loan organization during the entire period of the war, and by reason of his acquaintance with the system of banking, finance, and economics, together with the position he held during the drives, peculiarly qualifies him for the work of preparing this volume. Bankers, economists and historical students who have examined the manuscript pronounce it one of the best treatises written on the general subject of finance during the war period. It is planned to publish this volume during the coming year.

Special reports covering the activities of the State Council of Defense, the State Selective Service Board, the State Food Administration, the State Fuel Administration, the war relief work in Indiana, and other organizations that engaged in war work are now being prepared. While the historical commission may not be able to publish all of this material within the next year, nevertheless it is of the greatest importance that the records and reports relating to the activities of these war time organizations be compiled now and permanently preserved as source material for Indiana history.

COUNTY WAR HISTORIES

In addition to encouraging the publication of volumes relating primarily to state war work, the Indiana Historical Commission has also been devoting a great part of its time toward helping the counties to prepare for publication their county war histories. These volumes include a report on the work of the county council of defense, the county draft board, the liberty loan drives, the Red Cross work, the Y. M. C. A., the Knights of Columbus, the war welfare, the boys' working reserve, and all other organizations that participated in war work.

In many of the counties certain forward-looking men and women have provided the funds for publishing these reports after they have been prepared. In order to give greater encouragement to this work, which should be supported by the entire citizenship of the county, the 1921 session of the state legislature was requested to pass a law authorizing the boards of county commissioners to expend a sum not to exceed one thousand dollars (\$1,000) for the publication of its county war history. House Bill No. 254, approved March 11, 1921, authorizes such action on the part of the board of county commissioners. The act also provides that one copy of the war history shall be placed in each school library and public library of the county, and one copy shall be filed with each post of the American Legion. Remaining copies of the war history are to be sold at the actual cost of printing, binding and publication, and money derived from the sale of such copies shall be turned into the general fund of the county treasurer. The county auditor is named as the custodian of the funds, and he shall have charge of the sale of all copies of the war history.

By this special act of the legislature provision has now been made for enabling every county in Indiana to publish and distribute its county war history. It is expected that all of the counties will take advantage of this act, and that the next year will witness the publication of county war histories all over Indiana.

COUNTY AID FOR HISTORICAL SOCIETIES

In carrying on county historical work throughout the state there has long been felt the need of public support. Efforts made to build up collections of local historical material, or to preserve such historical material and relics that came to light within the county, have in years past met with comparatively little encouragement. However, the importance of the work justified those who had at heart the historical interests of their county in continuing their efforts toward seeking public support. Finally in 1901 an act was passed which authorized county commissioners to appropriate money for county historical societies where such organizations had been in continuous existence for a period of five years or more. The same act authorizes the erection of a building for the housing of a county historical society and its papers and relics, and provision is made for holding the property in the name of the county society.

Of much more importance however, to the support of local historical work is the act passed during the 1921 session of the Indiana General Assembly, known as Senate Bill 190, approved March 11, 1921. According to the provisions of this act, county commissioners are now authorized to employ a curator, whose duties shall be that of collecting, preserving, cataloging and printing historical material that is of interest to the county. Authority was also granted to the County Council to appropriate the sum of \$1,500 annually for the purpose of paying the curator's salary, and for the publication of historical material.

Historical societies that have been in continuous existence for a period of five years or more, and which have been occupying rooms or a building provided for by the county, are now permitted to take advantage of this act. Of the \$1,500 authorized for the support of county historical work, not more than \$900 can be paid to the curator. The remainder of the sum appropriated is to be used for collecting, compiling and publishing historical material.

According to the provisions of this act, counties are now able to take up their county historical society work on a much broader_scale than heretofore. The idea has at last been recognized that the study and appreciation of local and state history is of sufficient importance to justify public support. It is with the view of further encouraging this movement that the above act was passed. Counties will now be able to build up a valuable collection of historical material, and will in time be in position to publish the more important papers. In counties like St. Joseph, Jefferson, Washington, Allen and Henry, counties that have been taking the lead in the work of collecting local history, steps should be taken at once looking toward the publication of much of the material that has been collected, and for building up a more extensive collection of historical documents. In numerous instances throughout the state, papers and reports of great historical value to the history of Indiana have been prepared, but for lack of funds have never been printed or made available to the public. Also numerous historical relics, books, and papers of great value, heirlooms and mementoes left by the pioneers of our state have been found, but because there has been no special fund to draw upon for building up a county historical collection, a great part

of the material has already been lost. An opportunity is now offered for enlisting public aid in this work, and every county in Indiana should avail itself of the support provided for in this act.

The movement for the organization of county historical societies has taken on renewed interest during the last year. The fact is becoming widely recognized that the only successful way in which our local history can be collected, preserved, and published, is by having an active, wide-awake county historical society, organized for the purpose of doing this special work. The societies must have a vital interest in the cause of local history, should be intensely devoted to the work of collecting, preserving, and publishing papers and documents relating to the history of the county. The public support which is now authorized enables the counties to take up the work in dead earnest, and the organization of new societies that are being formed throughout the state is evidence of the interest that is being taken in the work.

Historical societies have already been organized in the following counties:

Allen
Bartholomew
Cass
Clinton
Dearborn
Decatur
Franklin
Harrison
Henry
Jackson
Jefferson

Harrison
Henry
Jackson
Jefferson
Jennings
Johnson
Knox
Lake

Laporte
Morgan
Orange
Owen
Parke
Porter
Randolph
Ripley
St. Joseph
Spencer
Tippecanoe
Tipton

Washington

White

It is the plan of the historical commission to continue the work of organizing local county historical societies throughout the state, and it is the hope that ultimately every county in Indiana will have a local historical society organized and on the job collecting and compiling its county history. In no other way can the greatest success be obtained.

In addition to the county historical societies listed above, special mention should be made here of the Southwestern Indiana Historical Society, organized in January, 1920. This society includes the eight "Pocket Counties" of southwestern Indiana: Posey, Vanderburg, Warrick, Spencer, Perry, Gibson, Dubois and Pike. The territorial, political and social history of each one of these counties has much in common with the history of the other seven counties in the "Pocket," and it was felt by those who sponsored the idea of a sectional historical society, that greater progress could be made in historical work by combining their interests into one organization. This plan of organizing sectional historical societies promises to be one of the most successful movements for advancing the study of state and local history in Indiana.

ANNUAL CONFERENCE ON INDIANA HISTORY

Another evidence of the growing interest in the subject of Indiana history is shown by the annual conferences that are now held on December 11th, Indiana Admission Day. This movement was launched in 1919 under the direction of the Society of Indiana Pioneers and the Indiana Historical Commission. It was the belief of those who are interested especially in the pioneer history of Indiana that in order to best promote the study and teaching of history in general, all historical and patriotic societies throughout the state should unite their forces in holding an annual conference on Indiana history.

A state-wide conference on Indiana history was held in Indianapolis December 10 and 11, 1919. At this meeting representatives from the Indiana Historical Society, the Indiana Historical Commission, the Indiana State Library Association, the Indiana Department of Conservation, the Daughters of the American Revolution, and the Sons of the American Revolution, were present and discussed the contribution that each of these different organizations might make in further promoting the study and teaching of Indiana history. The success of the conference was such as to cause those in charge of the meeting to provide for a second conference the following year. At the 1920 conference the subject of "Historical Team Work" was discussed. All of the organizations interested in the subject of Indiana history pledged themselves to combine their efforts in arousing greater interest in the subject of Indiana history, and a third conference was held in December, 1921. These annual conferences, which bring together men and women from all parts of the state and from half a dozen or more organizations vitally interested in the subject of our state history, will in time become a great factor in popularizing Indiana history, and bringing it to the attention of thousands of Hoosiers.

One of the direct results growing out of the state history conference in 1919 was the appointment of a special committee to urge upon the State Board of Education, the importance of including a chapter on Indiana history in the history textbook adopted for use in the public schools of this state. This committee met with the State Board of Education and presented a resolution requesting that the next textbook on American history adopted by the state should include a special chapter relating to Indiana history. The request was acted upon favorably, and in the new adoption of textbooks in February, 1921, the request of the committee was complied with.

In addition to providing for a special chapter, a general outline devoted to the subject of local history was also agreed upon. A bibliography on Indiana history to contain not less than thirty titles was also included.

In order to arouse a more universal interest in state and local history, an advisory committee was appointed, composed of one member from each congressional district in Indiana. The purpose of this advisory committee is to encourage city and town superintendents, county superintendents of schools, township trustees, teachers, and others to co-operate in an effort to develop an interest in state and local history.

The committee is appointed by the president of the Society of Indiana Pioneers, and it will report to the State Board of Education or the State Superintendent of Public Instruction the development of interest in local history within their community. This joint action on the part of the Society of Indiana Pioneers and the State Board of Education will have great influence in popularizing our state history, and in bringing the story of our state's development to the attention of all public school children in Indiana.

HISTORICAL AND ARCHEOLOGICAL SURVEY OF INDIANA

Another step taken by the historical commission during the last year is that of co-operating with the Division of Geology of the Department of Conservation, in undertaking a state-wide archeological and historical survey. These two departments, co-operating with the national research council, have undertaken a survey of the Indiana counties with the view of obtaining careful and scientific information regarding Indiana's archeological remains and historical material. Outline blue-print maps of each county are being prepared by the division of geology, and a special questionnaire has been prepared by the historical commission, both of which will be used by the committees making the survey.

The archeological remains that are to be noted in the survey include a description of mounds, their shape and state of preservation. Also the location and ownership in respect to the township, section and range is to be designated, and pictures of the mound and charts or drawings, showing the same will be made. In reference to stone mounds, earthworks and enclosures, the same information is being sought. The location and names of caves, quarries, gravel pits, burial places and village sites are being included in the survey. Also lists of arrow heads, ceremonial stones, stone and copper implements, axes, pottery, fleshers, pipes, totems, etc., will be made and filed with the reports on archeological material. The owner's name on whose land the mounds, earthworks and enclosures are found, will be listed and filed with the reports.

The material to be listed in the historical survey includes a report covering such items as: Old books, diaries, directories, ledgers, licenses, newspapers, pamphlets, pictures, placards, proclamations, posters, scrap books, commissions, antiques, old china, old furniture, clothing, coverlets, ceremonial relics, firearms, samplers, tools, implements of agriculture, transportation devices, vehicles, war relics, and special acts of the legislature as applied to the community.

Also a description of historic regions, such as the name and location of the first settlement in the community, historic buildings, old cemeteries, historic sites, battlefields, earliest churches, mill sites, towns that "used to be," boundary lines, birthplaces of noted people, markers, camp sites, historic trees (peace treaty trees and totem trees), old trails, trade routes, and anderground railroad stations, are to be listed in the historical material called for in the survey.

It will require perhaps four or five years to complete a survey of this kind in Indiana. Special efforts will be made to make the survey as nearly accurate as it can be made, and mention will be made of all

archeological and historical material found within the state. On the blue-print maps the sites of archeological remains, and the historical points will be listed and explained. One copy of the outline map together with a list of all the historical material will be filed with the local county historical society in which the survey is made. One copy will also be filed with the Indiana Historical Commission, and one with the Geology Division of the Department of Conservation. The results of such a survey as this will do more toward bringing together the complete archeological and historical collection of Indiana than any other movement ever undertaken within the state.

FINANCIAL STATEMENT OF THE INDIANA HISTORICAL COMMISSION FOR THE FISCAL YEAR BEGINNING OCTOBER 1, 1920, AND ENDING SEPTEMBER 30, 1921

Appropriation			\$8,862	93
Sale of books			28	00
Total			\$8,890	93
Office expenses, including stamps, filing cases, etc	\$911	85		
Fort Wayne Printing Company	875	25		
Stafford Engraving Company	192	13		
Gold Star photographs	42	51		
Traveling expenses	526	40		
Salaries, including \$300 for work done on State Council of Defense				
History	6,332	34		
Blue print	8	40		
			\$8,888	88
				_
Balance reverts to state			\$2	05

REPORT OF THE INDIANA ACADEMY OF SCIENCE

OFFICERS

HOWARD E. ENDERS, President, West Lafayette. F. A. ANDREWS, Vice-President, Bloomington. WALTER N. HESS, Secretary, Greencastle. HARRY F. DIETZ, Assistant Secretary, Indianapolis. W. M. BLANCHARD, Treasurer, Greencastle. FRED J. BREEZE, Editor of Proceedings, Muncie. FRANK B. WADE, Press Secretary, Indianapolis.

HISTORICAL

The Indiana Academy of Science was founded at Indianapolis on December 29, 1885, and was chartered by the state. David Starr Jordan was its first president, and Amos W. Butler served as its first secretary. In its early years the academy published its annual proceedings at its own expense, but in 1894 a state appropriation of six hundred dollars made it possible to provide for wider distribution of the scientific work of the society. In 1910 the annual appropriation was increased to twelve hundred dollars, and this amount was continued annually until 1919, when the funds were not made available through failure at the close of the session of the legislature. Special provision was made for payment of the 1918 proceedings, and also for printing the 1919 proceedings, but the printing of the latter had not progressed to the point that the funds could be used before the close of the fiscal year and the amount reverted to the general fund of the state. The legislature of 1921 appropriated \$2,400.00 for the printing of the 1919 and 1920 proceedings.

The academy is prepared to act for the state, as the National Academy does for the general government, as advisor and consultant in all scientific matters:

Resolution-Article I, Section 2 of the Constitution:

"Whereas, the state has undertaken the publication of such proceedings, the academy will, upon request of the Governor, or of one of the several departments of the state, through the Governor, act through its council as an advisory body in the direction and execution of any investigation within its province as stated. The necessary expenses incurred in the prosecution of such investigation are to be borne by the state; no pecuniary gain is to come to the academy for its advice or direction of such investigation."

"The regular proceedings of the academy as published by the state shall become a public document."

The membership, consisting of fellows, active members, and nonresident members, numbers about 360 persons. They are men and women, representatives of institutions engaged in all branches of scientific teaching and research.

The purpose of the Indiana Academy of Science is to bring together at the annual meetings the results of scientific activity for the preceding year. It also holds a spring meeting at which it does missionary work in different parts of the state by visiting localities, interesting individuals and observing scientific aspects of the neighborhood. The spring meeting in 1921 was held at Indianapolis, at which time Bacon's Swamp, Holliday Park, Crow's Nest, Fort Benjamin Harrison, Boy Scout Reservation and Buzzard's Roost were visited. The winter meeting was held at Indianapolis in December, 1920.

The academy publishes an annual report of about five hundred pages, known as "The Proceedings of the Indiana Academy of Science," in which is embodied a series of reports of investigations and discussions upon scientific matters. The publication has been made possible through the generous help of the state, and thus it becomes a public document.

The academy expends no money for salaries but devotes the whole of the annual appropriations to the publication of the proceedings, subject to the approval of the State Printing Board. The State Librarian distributes the proceedings to the members of the academy, to university, college and high school libraries of the state, and to libraries and other institutions and individuals on the exchange list of the academy.

FINANCIAL STATEMENT

By balance, October 1, 1920\$0,000	00
By appropriation 2,400	
No. of Contraction	
Total\$2,400	00
To disbursements (1919 proceedings)\$1,320	37
To disbursements (1920 proceedings)	02
Total\$2,609	39
By deficit, October 1, 1921\$209	39

REPORT OF STATE BOARD OF PHARMACY

MEMBERS OF BOARD

EDWARD A. STUCKMEYER, President, Indianapolis. CHARLES E. REED, Winchester. FRANK B. MEYER, Gary. LAWSON J. COOKE, Goodland. BURTON CASSADAY, Secretary, West Terre Haute.

ORGANIZATION

The Indiana Board of Pharmacy was created in 1899. It consists of five registered pharmacists of recognized experience and ability, actually engaged in the retail drug business, appointed by the Governor for terms of four years, not more than three of whom may belong to the same political party. Vacancies in the membership of the board are filled by the Governor; no person connected with any school of pharmacy is eligible to serve and the Governor may remove any member for cause. The board elects a president and a secretary from among its own members, who hold office for one year. The regular meetings of the board are held quarterly on the second Mondays of January, April, July and October. Additional meetings may be held if required for the necessary transaction of business. Each member of the board, except the secretary, receives as compensation the sum of \$5 per day for each day actually engaged in the work, together with the necessary expenses. The salary of the secretary is \$1,500 per year and the necessary expenses.

DUTIES

The duties of the board of pharmacy are to enforce the provisions of the drug and narcotic laws of the state; to examine and license pharmacists; to register pharmacists who continue in good standing; to revoke the licenses of registered pharmacists for cause; to promulgate such rules and regulations as may be necessary to carry out the provisions of the drug laws, and to enforce the drug and narcotic laws and conduct prosecutions against persons guilty of violating its provisions.

REGISTRATION OF PHARMACISTS

By virtue of the provisions of the drug law, no person is permitted to conduct a store or pharmacy in which drugs, chemicals or medicines are sold at retail unless there is a registered pharmacist in charge. The purpose of this law is to protect and safeguard the lives of the people of the state by prohibiting the sale of poisons or compounds containing poisons by persons who do not have a scientific knowledge of the nature and properties of drugs or the proper filling of prescriptions. For the purpose of ascertaining the scientific knowledge and other necessary quali-

fication of persons who wish to engage in the business of selling drugs and compounding prescriptions, the State Board of Pharmacy holds four examinations each year, on the second Mondays of January, April, July and October, at which candidates may appear and be examined. The law recognizes two grades of pharmacists, which are known respectively as registered pharmacists and registered assistant pharmacists.

Registered Pharmacists. To be licensed as a registered pharmacist a candidate must be at least twenty-one years of age, must produce evidence of having had not less than four years' experience under a registered pharmacist and in a pharmacy or drug store where physicians' prescriptions are compounded, must pass a satisfactory examination and must pay a prescribed fee. Beginning with January 1, 1920, no one will be eligible for examination unless he has had two years in high school or its equivalent and holds a diploma of graduation from a college of pharmacy of recognized standing; except that any person licensed as an apprentice pharmacist or who holds the degree of registered assistant pharmacist is not affected by this law.

Registered Assistant Pharmacist. The same regulations apply to candidates for registered assistant pharmacist license except that he must be not less than eighteen years of age and must have had not less than one year's experience. The requirements so far as high school and college of pharmacy are concerned apply the same as for registered pharmacists.

Time actually spent in a college of pharmacy, if graduated therefrom, is taken by the board in lieu of an equal amount of time spent in a pharmacy; to the extent of two school years in case of applicants for registered pharmacist and not less than six months in case of applicants for registered assistant pharmacist.

Reciprocal Licenses. The board may, in its discretion, issue licenses of the grade of registered pharmacist or as registered assistant pharmacist, without examination, to any person who produces a certificate of registration of equal grade from any other state which requires a degree of competency and experience equal to that required of applicants in this state.

Registration. All licenses to pharmacists and assistant pharmacists are issued for a period of two years, or the unexpired portion thereof, preceding the next regular date of registration. Any person who desires to continue as a pharmacist may do so by registering with the board within thirty days after the expiration of his former license.

Registration Fees. The fees for registered pharmacists are as follows: Examination, \$5.00; re-registration, \$2.00; registration by certificate from another state, \$15.00. The fees for registered assistant pharmacists are as follows: Examination, \$3.00; re-registration, \$1.00; registration by certificate from another state, \$5.00. All fees are payable to the secretary of the board with the application.

Revocation of Licenses. The pharmacy board has the authority to revoke the license of any pharmacist for violation of the drug laws of the state.

ENFORCEMENT OF DRUG LAW

The important provisions of the drug laws of the state which the board of pharmacy is authorized to administer are the following: To see that each store or pharmacy in which drugs, chemicals or medicines are sold at retail is in charge of a registered pharmacist; that no drug store or pharmacy distributes samples of medicine from house to house or gives them away to children under sixteen years of age; that no cocaine, alpha or beta eucaine, opium, morphine or heroin, cannabis indica or any salt or derivative of any such drugs or any prescriptions containing them are sold at retail except by registered pharmacists, and then only upon the written prescription of a licensed physician or dentist, and to enforce the laws relative to the sale of liquor by druggists.

With the disappearance of the whiskey drug stores from the state the business of the balance is of a very high standard. The narcotic evil is in a great measure disappearing. Many of the druggists have announced their intention of discontinuing the handling of narcotics entirely.

There is not the quantity of narcotics used by physicians that there was formerly, judging from the prescriptions written by them. The number of addicts is now almost a negligible quantity. This condition has been brought about by constant surveillance, and the system of reports required of each druggist who handles any at all. A few more years will see the end of narcotics except as used in a legitimate way.

Two narcotic inspectors were appointed September 1st and are actively engaged in calling on druggists all over the state and making special visits where a question arises regarding violation of narcotic laws.

WORK OF BOARD

During the year ending September 30, 1921, four regular meetings and four special meetings of the board were held for transaction of business and for the examination of applicants for the grades of registered pharmacist and registered assistant pharmacist.

One hundred and twenty-nine applicants for the grade of registered pharmacist were examined; of this number eighty-two were successful, and nine granted assistant registers. The general average attained was 75 per cent. Sixty applicants for the grade of assistant pharmacist were examined. Of this number forty-six were successful. The general average attained was 75 per cent.

The total number of persons examined was one hundred and eighty-nine.

Total number of registered pharmacists is 3,787, and total number of assistant registered pharmacists is 305.

FINANCIAL STATEMENT

Balance on hand October 1, 1920	
Total	
Balance on hand September 30, 1921	12

REPORT OF THE STATE BOARD OF EMBALMERS

MEMBERS OF THE BOARD

J. M. CHAPPELL, Kendallville, President.

J. P. RAGSDALE, Indianapolis, Vice-President.

J. U. MAYNARD, Winchester, Secretary-Treasurer.

M. B. STULTS, Huntington.

HARRY M. ALLEN, Peru.

In 1901, by an act of the legislature, the embalmers of the state were placed under the control of a board of practical embalmers; previous to that time they were under the supervision of the State Board of Health. This board consists of five members, who are appointed by the Governor, and whose term of office is for four years.

It has been the custom and duty of the board to act at all times in conjunction and in full harmony with the State Board of Health to obtain and maintain the best sanitary conditions, both by direct work and supervision, and by granting licenses only to those who prove themselves competent to look after such matters in a scientific way.

There are at present 1,651 licenses in force in the state, and it has been the aim at all times to keep the class up to the highest standard of proficiency.

The Indiana State Board is self-sustaining in every way, and all expenses arising are paid from funds derived from the examination and reciprocal fees and renewals.

Reciprocal licenses are issued to all other states whose standards are equal to the ones required by Indiana.

Two examinations are held each year, one in the spring and one in the fall, and a general average of 75 per cent is required to pass. The examinations are on anatomy, bacteriology, sanitation and disinfecting, and practical work in embalming, etc.

FINANCIAL STATEMENT

RECEIPTS				
For 1,462 renewals of license\$1,4	62	00		
For 22 information blanks	22	00		
For 98 examination fees 5	40	00		
	75	00		
	30			
Interest on monthly deposits	1	60		
Total\$2,4	30	60		
EXPENDITURES				
To per diem to members of board, salary of secretary, postage, etc\$2,0	13	55		
RECAPITULATION				
Balance on hand\$1,3	79	20		
Receipts				
\$3.8	09	80		
Expenditures	13	55		
Balance\$1,7	96	25		

REPORT OF STATE BOARD OF EXAMINATION AND REGISTRATION OF NURSES

NELLIE G. BROWN, R. N., Robert W. Long Hospital, President. IDA J. McCASLIN, R. N., Lebanon, Ind., Secretary. ELIZABETH SPRINGER, R. N., Huntington Co. Hospital, Vice-President.

KATHERINE McMANUS, R. N., Greensburg, Ind. LOUISE HAPPEL, R. N., Walker Hospital, Evansville, Ind.

APPOINTMENT AND QUALIFICATIONS OF BOARD

The State Board of Examination and Registration of Nurses was created by an act of 1905 and reorganized by an amendment in 1921. By the provisions of this law the reorganization of the board took place in July, 1921, by the appointment of two members for one year, two for two years, and one for a three-year term, appointments made thereafter to be for a three-year term. No person is eligible for reappointment who shall have served two terms and not more than three members of the board shall be members of the same political party.

ORGANIZATION AND COMPENSATION OF BOARD

The board elects annually from their members, a president and a secretary, who is also the treasurer. The salary of the secretary is fixed by the board at not to exceed \$1,500 per year, with expenses incurred in the discharge of her official duties. The other members of the board receive \$5 per day and necessary expenses when actually engaged at meetings of the board, and when on the discharge of official duties.

The board is authorized to employ an educational director, who shall visit the nursing schools and aid in maintaining good professional standards, and in the introduction of progressive technical methods. The educational director shall be paid a salary not to exceed two hundred dollars a month for the time actually employed and all necessary traveling and other expenses incurred in the discharge of her official duties.

No part of the salaries or other expenses of the board are paid out of the state treasury.

DUTIES OF BOARD AND RECIPROCITY

It is the duty of the board to meet not less frequently than once a year to examine the credentials of all applicants for registration under this act, and to examine such applicants on the branches taught in the training schools for nurses. The registration fee is ten dollars. The board has the power to make and establish all necessary rules and regulations for the reciprocal recognition of certificates for nurses issued by

other states of registered nurses who have complied with the requirements of the laws of this state.

It is also the duty of the board to examine applicants for the certificate of "trained Attendant" according to the provisions of the law. The registration fee for such attendants is five dollars.

CONSTRUCTION OF ACT

The nurses' registration act is not construed to effect or apply to the gratuitous nursing of the sick by friends or members of the family, nor does it apply to any person nursing the sick for hire who does not in any way assume to be a registered or graduate nurse.

Any person violating any of the provisions of the nurses' registration act is deemed guilty of a misdemeanor and is punishable by a fine of not less than twenty-five dollars nor more than fifty dollars for the first offense and not less than fifty dollars nor more than one hundred dollars for each subsequent offense.

The attendants' registration act is not construed to effect or apply to the gratuitous nursing of the sick by friends or members of the family, nor does it apply to any person nursing the sick for hire who does not in any way assume to be a trained attendant.

Any person making unlawful use or display of the title, initials, certificate or pin of the trained attendant, shall be guilty of a misdemeanor and upon conviction shall be fined not more than fifty dollars for each offense.

QUALIFICATIONS FOR REGISTERED NURSES

Since June 1, 1908, an applicant for registration is required to furnish satisfactory evidence that he or she is twenty-one years of age, of good moral character, has received the equivalent of a common school education and has been graduated from a training school for nurses connected with a hospital approved by the board, where a systematic course of three years' instruction is given.

All nurses who have served as such in the army and navy of the United States, and have been honorably discharged are entitled to be registered without examination.

THE FOLLOWING RULES FOR ACCREDITING TRAINING SCHOOLS FOR NURSES WERE ADOPTED BY THE BOARD OF REGISTRATION AND EXAMINATION OF NURSES, JULY 30, 1919, EFFECTIVE JANUARY 1, 1920

- 1. The training school for nurses, or the institution of which it is a part, must be incorporated, and will be inspected by a member of the nurses' examining board upon its receiving formal application for registration.
- 2. A school for nursing shall be connected with a general or special hospital having not less than twenty-five beds for patients and a daily average of not less than fifteen patients. The number of student nurses in any one school shall not be less than six.
- 3. The training school shall require that all applicants be not less than eighteen years of age. The training school shall also require that

all applicants furnish the board of nurse examiners proof of graduation from a grammar school or its equivalent, using for this purpose student nurse application blank as adopted by this board.

- 4. A probationary period of not less than three months shall be maintained. The course of instruction shall cover at least eight months of the year. Two years of the prescribed course must be devoted entirely to hospital training; the third year, or a part thereof, may be spent in recognized colleges, technical schools or with public health organizations, subject to the approval of the State Board of Registration and Examination of Nurses.
- 5. Schools of nursing may not place their pupils on special or private cases in the hospital for pay until they have completed their second year, nor for a period exceeding three months during the third year.
- 6. The hospital shall make necessary provision for conducting a school for nurses by providing practical experience in the following departments of nursing: Medical, surgical, obstetrical (genito-urinary for male nurses), and pediatrics, and shall also give a systematic, theoretical course in anatomy, physiology, bacteriology, dietetics, massage, materia medica, elementary urinalysis, medical, surgical and gynecological nursing, pediatrics, mental and nervous, nursing ethics, obstetrical nursing, each student to have the care of not less than six cases, including labor and delivery and care of the infant; diseases of eye, ear, nose and throat, and infectious diseases, including practical experience whenever possible.
- 7. It shall provide proper and adequate facilities for class instruction. The class room must be well lighted and provided with students' tablet chairs and a good-sized blackboard, a skeleton, a manikin, and such additional apparatus as the hospital may be able to afford. There must be a demonstration room and demonstration equipment; a diet kitchen and the necessary equipment for teaching purposes; the necessary laboratory equipment for the teaching of chemistry, bacteriology and analysis of urine.
- 8. Schools of nursing connected with hospitals not providing adequate opportunities for experience in all the above branches must become affiliated with institutions approved as giving such experience. Nurses shall not be sent out by an accredited school for pay during training.
 - 9. (a) No training school shall accept a nurse who has been in training elsewhere without written statements in regard to preliminary education, health and character, and a complete record of previous training signed by the former superintendent.
 - (b) No person shall be promised any definite amount of credit for time spent in previous training until said person shall have served a minimum probation of three months. Amount of credit given shall be governed, in the judgment of the superintendent of nurses, by applicant's skill

and knowledge in practical work as shown during probation and by class and lecture work required, in order that, upon graduation, applicant will be assured the number of hours in practice and theory as set forth in the curriculum for an accredited school.

- (c) No credit shall be given for less than six months' previous training. Full credit may be given to students of an accredited school which had gone out of existence before course of training was completed.
- 10. A record shall be kept of all students; entrance requirements, all class, lecture and laboratory work, all practical work, deportment, and general ability and efficiency. The superintendent of an accredited school of nursing will be required to submit for each graduate nurse at the time of her application for certificate of registration a record of her theoretical and practical work and the standings for same while a pupil in training. When necessary to arrange for affiliation, record must show name of affiliating school, length of time in each school, number of lectures and classes, by whom given, grading on examination, practical work required in service.
- 11. Proper living conditions must be provided for the students. A separate building or a building erected for the purpose should be provided, with sufficient furniture and closet room for each student, and one bath room and one toilet for each ten students; a general library and a reception room; a suitably furnished, clean dining room; food well cooked, ample and of sufficient variety, with enough help for prompt service. It is essential to have at least one graduate nurse in charge of each residence.
- 12. All nurses acting as superintendents of hospitals and principals of training schools, and all salaried nurses connected with these schools, hospitals and sanitariums, must be graduates of recognized training schools for nurses and must be registered in Indiana. The principal of the training school must have had executive experience in training school methods and management and she must be given at least two graduate assistants.
- 13. A school of over twenty-five students shall employ a full time instructor. Superintendents will be required to make annual reports to the board, the board furnishing the blanks for such reports.
- 14. It is essential that hours of duty be shortened. Schools having a maximum of fifty-six hours ward duty per week will receive a higher rating by the State Board of Registration and Examination of Nurses. (Effective January 1, 1920.)

During the fiscal year ending September 30, 1920, registration certificates have been issued to 302 applicants by examination, eighteen through reciprocity and four as discharged army nurses.

Four schools have been disqualified and one hospital has closed.

There are thirty-one accredited training schools in Indiana. Two new schools were registered and two were discontinued during fiscal year.

Schools of nursing are affiliated with City Hospital, Indianapolis, and Cook County Hospital, Chicago.

Following is the list of schools, location, name of superintendent, number of beds, and number of student nurses enrolled in each.

ACCREDITED TRAINING SCHOOLS

Hospital	Location	Superintendent of School	No. Beds	No. Students
City Hospital	Indianapolis	Annette B. Cowles, R. N	450	70
Methodist Hospital	Indianapolis	Fannie W. Paine, R. N	275	122
St. Vincent's Hospital	Indianapolis	Sister M. Rose, R. N	250	77
Prot. Deaconess Hospital	Indianapolis	L. L. Goeppinger, R. N	135	29
St. Elizabeth's Hospital	Lafayette	Sister M. Leonisca, R. N.	175	35
Home Hospital	Lafayette	Anna Medendorp, R. N	80	31
Robert W. Long Hospital	Indianapolis	Mrs. E. P. Clarke, R. N	118	60
St. Joseph's Hospital	Fort Wayne	Sister M. Odilo, R. N	165	44
The Lutheran Hospital	Fort Wayne	Anna M. Holtman, R. N	125	65
Epworth Hospital		Margaret P. Parker, R. N	75 .	28
St. Joseph's Hospital		Sister M. Hortensia, R. N	50	14
St. Joseph's Hospital	Mishawaka	Dorothy E. Brady, R. N	90	15
St. Margaret's Hospital		Sister M. Adelberta, R. N	135	. 16
St. Mary's Mercy Hospital	Gary	Sister M. Angelica, R. N	140	25
St. John's Hospital		Sister M. Ernesta, R. N	53	7
St. Mary's Hospital		Sister M. Alix, R. N	100	20
St. Anthony's Hospital		Sister M. Rubina, R. N	175	28
Union Hospital	Terre Haute	Ethel Chisholm, R. N	75	21
The Walker Hospital		Louise Happel, R. N	75	39
Prot. Deaconess Hospital	Evansville	Sister Carolina Braun, R. N	65	14
Good Samaritan Hospital	Vincennes	Edith Willis, R. N.	90	18
Good Samaritan Hospital	Kokomo	Sister M. Vincent, R. N.	40	11
Home Hospital			50	17
Reid Memorial Hospital	Richmond	Clara B. Pound, R. N	65	22
St. Antonio Hospital	Gary	Sheila Farrell, R. N	No report	No report

ACCREDITED WITH AFFILIATION.

The Eastman Hospital. Huntington County Hospital. Elkhart General Hospital. Grant County Hospital.	Indianapolis Huntington Elkhart Marion	Ella Conelly, R. N Lina Williams, R. N Ellzabeth E. Springer, R. N Mrs, M. E. MacDonald, R. N Virginia Wittner, R. N Harriet Jones, R. N	25 35 60 40	20 10 14 21 16 9
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NUMBER OF NURSES REGISTERED DURING FISCAL YEAR.

By Examination		311
By Reciprocity.		55
By Army Clause		2
Total	3	368
Number of Trained Attendants Registered.		1
Balance in treasury October 1, 1920.	\$4,821	65
Receipts from fees ending October 1, 1921	3,725	00
Total	\$8,546	65
Disbursements for year ending September 30, 1921.		
Polones available October 1 1001	0E E60	16

REPORT OF DEPARTMENT OF BANKING

OFFICERS AND EMPLOYEES

CHAS. W. CAMP, Bank Commissioner.
LOWELL W. COX, Chief Bank Examiner.
ROBERT PRASS, Bank Examiner.
LYMAN B. HOLLEMAN, Bank Examiner.
CARL L. WHITE, Bank Examiner.
DON P. CARPENTER, Bank Examiner.
FRED J. WHICKER, Bank Examiner.
CHAS. J. DOWDEN, Bank Examiner.
THOS. D. BARR, Bank Examiner.
THOS. M. BOSSON, Clerk.
DOROTHY MURPHY, Clerk and Stenographer.

BUILDING AND LOAN DEPARTMENT

JAMES H. TOMLIN, Clerk.
HENRY HOCH, Examiner.
CHAS. F. HARPER, Examiner.
VICTOR D. MOCK, Examiner.
HESTER ANN STRICKLAND, Clerk and Stenographer.

LOAN AND CREDIT DEPARTMENT

ELMER JOHNSON, Clerk.

CHARTER BOARD

WARREN T. McCRAY, Governor. ED JACKSON, Secretary of State. WM. G. OLIVER, Auditor of State.

CHAS. W. CAMP, Secretary. DOROTHY MURPHY, Assistant Secretary.

The Department of Banking came into existence on September 30, 1920, and, under the act of March 7, 1919, took over from the Auditor of State the supervision of all state banks, private banks, savings banks and trust companies, building and loan associations, and all licensed lenders of money under what is known as the Loan and Credit Act.

BANK DEPARTMENT

At the close of the fiscal year, on September 30, 1921, there were in operation 495 state banks, 170 trust companies, 166 private banks and five savings banks, with total assets of \$533,908,854.74, showing a decrease in assets of \$12,898,594.18 since the call in September, 1920, a

year ago, occasioned no doubt by general conditions existing throughout the country incident to deflation and depression. There was a net increase of twenty-six new banks and trust companies during this period.

In view of the general depression prevailing throughout the United States and of the numerous bank failures in other states, it is gratifying to report that not a single bank or trust company failed in Indiana during this period.

The banks and trust companies, as a whole, with few exceptions occasioned by mismanagement, are believed to be in good condition.

BUILDING AND LOAN DEPARTMENT

At the close of the fiscal year there were in operation 365 building and loan associations, with assets amounting to \$116,545,165.40, showing a gain in assets of \$6,823,828.61 since January 1, 1921.

Four associations closed up their business during the year and six were consolidated with other institutions. Fourteen new associations were incorporated and began business during this period.

The affairs of the various associations are believed to be in good condition, there having been no failures within the period.

LOAN AND CREDIT DEPARTMENT

This department has issued 256 licenses under the Loan and Credit Act.

An itemized list of licensees is submitted and made part of this report.

FISCAL AFFAIRS

The three departments of the Department of Banking yielded a net profit to the state of \$28,581.87, and had an unexpended balance of its appropriation amounting to \$11,989.07.

Attached to and made a part of this report will be found a detailed financial statement of the department, also information concerning the organization, reincorporation and liquidation of the banks and building and loan associations, and a list showing the resources of each bank, trust company and building and loan association at the close of the fiscal year.

DUTIES OF BANK COMMISSIONER

The bank commissioner has supervision of all state banks, private banks, trust companies, savings banks and mortgage guarantee companies doing business in the state.

It is his duty to cause the same to be examined by regularly appointed bank examiners as often as may be deemed necessary. If, in the examination of any bank or trust company, it develops that the same is in an insolvent or failing condition, or that the assets are being improperly used or converted, it becomes the duty of the bank commissioner to take charge of such institution and to make application to the circuit or superior court for a receiver.

No regularly chartered state bank is under the supervision of the

bank commissioner until it shall have received from the Secretary of State a certificate of authority to commence business.

Regularly chartered trust companies incorporate in the office of the Secretary of State and receive a certificate from the bank commissioner to commence business when a certification has been made that the required amount of capital has been paid in.

Regularly chartered private banks receive a certificate of authority to commence business from the bank commissioner upon certification that the entire capital has been paid in.

It is the duty of the bank commissioner to make at least five called reports each year of each state bank and trust company under his supervision. Also, at least two called reports of condition of each private bank, and annual reports from savings banks.

FINANCIAL STATEMENT-FISCAL YEAR ENDING SEPTEMBER 30, 1921

RECEIPTS		
Bank Department—		
Examination fees		
Fees, filing bands	\$38,102	12
Building and Loan Department—Examination fees	17.905	
Loan and Credit Department—License fees	26,950	
Miscellaneous fees	235	50
Expenses and special fees—Bank of Pence	112	94
		_
	\$83,305	69
DISBURSEMENTS		
Bank Department— Salaries\$26,470 10		
Salaries		
Examiners expenses	\$37,153	98
Building and Loan Department—	ψ01,100	00
Salaries		
Examiners expenses		
•	13,084	56
Loan and Credit Department—		
Salaries \$2,322 17		
Examiners expenses	2,388	34
Printing and stationery	1,386	
Postage	395	
Miscellaneous	202	73
	\$54,610	
Expenses and special fees—Bank of Pence	112	89
Total disbursements	\$54.723	82
Total dispursements	φυ4, 120	02
Total receipts	\$83,305	69
Total disbursements	54,723	82
Net receipts	\$28,581	87
	000 000	0.0
Appropriation fiscal year 1920-1921	\$66,600 54,610	
Total expenses chargeable to appropriation	94,010	
Unexpended balance	\$11,989	07

STATE BANKS

Incorporated and Opened for Business from September 30, 1920, to September 30, 1921

Name	Location	Capital	Incorporated	Began Business
Harrison County State Bank The New Marion State Bank	Crandall	\$25,000 25,000	July 21, 1920 Nov. 5, 1919	Oct. 2, 1920 Oct. 4, 1920
First Old State Bank	Elkhart	100,000	Apr. 7, 1919	Sept. 9, 1920
First State Bank	Porter	25,000	Apr. 7, 1920	Oct. 16, 1920
Peoples State Bank	Hammond	30,000	Sept. 4, 1920	Nov. 3, 1920
Coatesville State Bank	Coatesville	25,000	Nov. 4, 1920	Nov. 6, 1920
North Judson State Bank	North Judson	25,000	Sept. 22, 1920	Nov. 15, 1920
Ray State Bank			Nov. 17, 1920	Nov. 20, 1920
Westpoint State Bank	Westpoint	25,000 50,000	May 12, 1920	Nov. 22, 1920 Dec. 2, 1920
West End State Bank	Mishawaka	25,000	June 5, 1920 Nov. 11, 1920	Dec. 2, 1920 Dec. 6, 1920
Farmers State Bank	Leipsic		Aug. 12, 1920	Dec. 10, 1920
The State Bank of Mt. Avr.	Mt. Avr.	40,000	Dec. 8, 1920	Dec. 10, 1920 Dec. 20, 1920
Hemlock State Bank	Hemlock	25,000	Aug. 4, 1920	Dec. 30, 1920
The Thompson State Bank	Edinburg	100,000	Dec. 8, 1920	Jan. 3, 1921
State Bank of Lizton	Lizton	25,000	Nov. 30, 1920	Jan. 3, 1921
Middletown State Bank	Middletown		July 18, 1920	Jan. 15, 1921
Farmers State Bank	Mentone	75,000	Dec. 8, 1920	Jan. 1, 1921
State Bank of Montezuma	Montezuma	25,000	Jan. 19, 1921	Feb. 1, 1921
Fodor & Busezky's State Bank	South Bend	25,000	Jan. 7, 1921	Jan. 12, 1921
The Peoples Stafe Bank	South Milford	25,000	Jan. 19, 1921	Jan. 24, 1921
Clermont State Bank	Clermont	25,000	Dec. 7, 1920	Mar. 5, 1921
Griffith State Bank	Griffith	25,000	Mar. 7, 1921	Mar. 19, 1921
The Broadway State Bank	Fort Wayne	25,000	Oct. 28, 1920	Mar. 19, 1921
Farmers State Bank	Losantville	25,000	Apr. 20, 1921	Apr. 21, 1921
Toth State Bank	South Bend	50,000 25,000	Apr. 20, 1921 May 3, 1921	May 2, 1921 May 9, 1921
Sidney State Bank	Fountain City	25,000	May 20, 1921	June 1, 1921
Citizens State Bank.	Bristol	25,000	Nov. 16, 1920	July 2, 1921
Lexington State Bank.	Lexington	25,000	June 15, 1921	July 2, 1921
Peoples State Bank	Gary		July 6, 1921	Aug. 1, 1921
Union State Bank.	Union Mills	25,000	July 6, 1921	Aug. 1, 1921
Sugar Creek State Bank	Boggstown,	25,000	Apr. 20, 1921	Aug 15, 1921
East Side State Bank	Indianapolis	35,000	Sept. 7, 1921	Sept. 8, 1921
The Pennville Bank			Aug. 4, 1921	Feb. 28, 1921

RE-INCORPORATIONS

The Peoples State Bank, Indianapolis, November 4, 1920.

The Ridgeville State Bank, Ridgeville December 8, 1920.

The Farmers State Bank, Knox, March 2, 1921.

Farmers State Bank, Lebanon, March 16, 1921.

Farmers and Traders Bank, Lafayette, name changed to Farmers and Traders State Bank, reincorporated April 921.

Huntington County Bank, reincorporated June 15, 1921, as Huntington County State Bank, Huntington. Farmers Bank, Wingate, reincorporated as Farmers State Bank, Aug. 3, 1921.

STATE BANKS LIQUIDATED

East Tenth Street State Bank, Indianapolis, changed to branch of Fletcher Savings and Trust Company, et. 30, 1920.

Vincennes State Bank, Vincennes, changed to Harrison Bank and Trust Company, Jan. 15, 1921.

PRIVATE BANKS

Received Certificates of Authority and Opened for Business from September 30, 1920, to September 30, 1921

Name	Location	Capital	Certificate of Authority	Began Business
Farmers Bank of Belle Union Washington Township Bank Citizens Bank Bridgeport Bank Atwood Bank The Citizens Bank Farmers and Merchants Bank The Cutler Bank	Metz. Bridgeport. Atwood Jolietville. Foraker	10,000 15,000 10,000 15,000	Dec. 9, 1920	Dec. 9, 1920 Jan. 3, 1921 Dec. 23, 1920 Dec. 21, 1920 Jan. 3, 1921 Mar. 12, 1921 June 1, 1921 Aug. 10, 1921

PRIVATE BANKS RETIRED

Peoples Bank	.Freelandville	Sold to Freelandville Bank, April 15, 1921.
The Farmers Bank	.Losantville	Changed to State Bank, April 21, 1921.
The Citizens Bank	Whitestown	Changed to State Bank, April 18, 1921.
Bank of Sidney	.Sidney	Changed to State Bank, May 9, 1921.
Fountain Bank	.Fountain City	Changed to State Bank, June 1, 1921.
Ray Bank	Ray	Changed to State Bank, November 20, 1920.
Bank of Mt. Ayr	.Mt. Ayr	Changed to State Bank, December 20, 1920.
Farmers Bank	.Mentone	Changed to State Bank, January 1, 1921.
Thompson's Bank	.Edinburg	Changed to State Bank, January 3, 1921.
Bank of Lizton	.Lizton	Changed to State Bank, January 3, 1921.
Bank of Montezuma	Montezuma	Changed to State Bank, February 1, 1921.
Pennville Bank	.Pennville	Changed to State Bank, February 27, 1921.
The Farmers Bank	.South Milford	Changed to State Bank, January 23, 1921.
Union Bank	.Union Mills	Changed to State Bank, August 1, 1921.
Lexington Bank	.Lexington	Changed to State Bank, July 2, 1921.

TRUST COMPANIES

Incorporated and Opened for Business from September 30, 1920 to September 30, 1921

Name	Location	Capital	Incorporated *	Began Business	
Peoples Trust Company. Harrison Bank and Trust Co. Bankers Trust Co. Farmers Trust Co.	Vincennes	100,000	Feb. 4, 1919 Dec. 17, 1920 Feb. 2, 1921 Jan. 19, 1921	Dec. 8, 1920 Jan. 17, 1920 May 6, 1921 Aug. 1, 1921	

. TRUST COMPANIES CEASED BUSINESS

Liberty Trust Company, Elkhart, liquidated September 1, 1921. Assets purchased by St. Joseph Valley Bank. Citizens Trust Company, Elkhart, liquidated September 1, 1921. Assets purchased by St. Joseph Valley Bank. International Trust and Savings Bank, Gary, liquidated May 14, 1921. Assets purchased by Gary Trust and Savings Bank.

Sullivan County Loan and Trust Company, Sullivan, liquidated March 31, 1921. Assets purchased by the Peoples State Bank.

BRANCH BANKS GRANTED CHARTERS AND OPENED FOR BUSINESS

Fletcher Savings and Trust Company, Indianapolis, West and Washington Streets, opened October 16, 1920. East Tenth Street Branch, Fletcher Savings and Trust Company, opened for business, November 1, 1920. Thirtieth Street Branch, Fletcher Savings and Trust Company, opened for business, July 16, 1921. 1233 Oliver Street Branch, Fletcher Savings and Trust Company, opened for business, October 9, 1920.

ABSTRACT OF REPORTS OF CONDITION OF BANKS AND TRUST COMPANIES OF INDIANA, SEPTEMBER 6, 1921

S36 Compared with S31 June 30, 1921	28 5327, 389, 566, 42 8330, 789, 388 56 667, 217 92 8593, 789 656 667 217 92 8593, 789 568 569 675 758 702 75 28 8593, 417 56 87 11,100, 600 73 188 199, 999 88 11,100, 600 73 188 20, 241 55 88 20, 948 81 199, 999 88 20, 948 199, 999 88 20, 948 199, 999 88 20, 948 199, 999 88 20, 948 199, 999 88 20, 948 199, 999 88 20, 948 199, 999 88 20, 948 117, 765, 552 26 99, 989 28 20, 948 11, 748, 927 169 70 571 971 971 971 971 971 971 971 972 971 973 973 974 974 974 975 975 975 975 975 975 975 975 975 975	77 \$533,908,854 74 \$540,532,618 51
170 -Trust Companies	\$135,105,281 152,427 11,976,128 26,932,778 1,340,106 1,340,106 1,340,106 1,050,000 1,050,000 1,188,581 1,1	\$252,249,193 77
495 State Banks	\$155,489,869 34 408,546 74 408,546 74 17,145,999 79 3,754,599 15 1,221,425 89 96,765 89 2,666,489 77 5,796,648 77 5,796,648 77 5,796,648 77 5,796,489 77 5,796,489 77 5,796,489 77 5,796,489 77 5,796,489 77 1,7079 13 2,451,872 07 11,194 31 146,735 46	\$228,595,981 78
166 Private Banks	\$24,550,814 67 106,243 46 1,498,822 96 1,539,322 90 286,305 46 123,224 92 4,504,756 73 80,570 67 548,344 79 141,645 99 14,916 59	\$34,611,193 08
5 Savings Banks	\$12,247,601 29 2,058,437 34 1,502,476 00 2,551,001 00 2,105,005 00 2,105,107 92 1,105,107 92 3,105,107 93 3,107	\$18,452,486 11
Resources	Loans and Discounts. Overdrafts. Overdrafts. United States Bonds. Chief Bonds and Securities Banking House. Banking House. Other Real Befate Cash or Hand Cash Items. Cash Items. Advances to Estateses (a) Advances to Estateses (a) Advances to Estateses (a) Trust Securities Due from Departments Miscellaneous.	Total Resources

(a) Includes interest and taxes paid.

ABSTRACT OF REPORTS OF CONDITION OF BANKS AND TRUST COMPANIES OF INDIANA, SEPTEMBER 6, 1921—CONTRUED.

Compared with 831 June 30, 1921	80 842,387,264,75 16,511,034,120,72 8,321,345,03 171 8,320,345,03 172 8,320,345,03 174 91,340,164,44 175 91,340,164,44 175 199,308 176 199,308 177 199,308 177 199,308 177 199,308 177 199,308 177 199,308 177 199,308 178 199,309	4 \$540,532,618 51
836 Consolidated	\$42,854,041 17,440,879 9,635,443,7 9,635,443,7 27,213 36,892 174,564,799 92,588,965 92,588,965 116,706,401 67,700,149 1,203,585 67,71,102 1,203,647 1,380,677 1,380,677 1,380,677 1,465,551 64	\$533,908,854 74
170 Trust Companies	\$19,994,950 00 6,664,467 85 3,397,966 17 3,612,707 51 11,718 25 28,505,176 22 7772,771 62 3,871 102 87 4,203,255 69 5,069,376 52 876,245 12* 4,135,881 72 3,293,403,47 653,140 086 68,169,086 68 190,117 09	\$252,249,193 77
495 State Banks	\$20,211,191 7,812,883 19 2,033,679 05 4,572,341 43 42,846 83 8,521 90 97,804,320 95 53,853,701 45 29,095,667 68 109,971 32 109,971 32 109,971 32 109,971 32 109,971 32 1,950,790 78 1,950,790 78 1,950,790 78 1,950,790 78	\$228,595,981 78
166 Private Banks	\$2,647,900 00 1,008,518 02 233,287 13 692,184 91 16,0184 91 16,0230,087 85 10,230,087 85 1,015,486 70 46,379 39 15,873 01 47,122 03 671,872 03 871,167 04 87,122 03 871,167 99 87,182 99 87,182 98 87,182 98 87,182 98 87,182 98 87,182 98	\$34,611,193 08
5 Savings Banks	\$1,955,000 00 119,521 40 158,193 53 315,506 89 15,822,605 62	\$18,452,486 11
LIABILITIES	Capital Stock, Paid in. Surplus. Undivided Profits. Interest, Discount, Etc. Profit and Loss. Profit and Loss. Profit and Loss. Profit and Loss. Certificates of Deposits. Savings Deposits. Trust Deposits. Due to Banks and Trust Companies Certified Checks. Certified Checks. Bills Payable Bills Payable Due Departments Trust Investments Trust Investments Trust Investments	Total Liabilities.

Average Cash Reserve 16.27%.

* Includes certified checks.

RESOURCES OF STATE BANKS OF INDIANA, CALL OF SEPTEMBER 6, 1921

356	Acton State Bank, Acton	\$234,869 08	112	Bank of Brookston, Brookston	\$293,302 97
422	State Bank of Advance, Advance	248,585 09	222	Farmers Bank of Brookston,	
381	State Bank of Akron, Akron	283,543 12		Brookston	322,159 41
113	Albany State Bank, Albany	309,164 83	303	Brownsburg State Bank Browns-	
216	Farmers State Bank, Albion	441,620 19		burg	257,170 91
451	Alert State Bank, Alert	163,892 91	282	Citizens State Bank—Ewing,	
535	State Bank of Amboy, Amboy.	199,970 27		Brownstown	239,578 71
362	Farmers and Merchants Bank,		530	Brownsville State Bank, Browns-	
	Ambia	152,234 77		ville	120,003 21
470	Anderson Banking Company,		456	Bruceville State Bank, Bruce-	
	Anderson	1,780,459 97	404	ville	187,524 24
221	The Citizens Bank Anderson	2,343,053 58	194	Farmers and Merchants Bank,	
306	The State Bank of Andrews, An-	000 150 00	F00	Bryant.	255,629 00
170	drews	290,156 63	538	Buck Creek State Bank, Buck	
172	Steuben County State Bank,	000 007 00	044	Creek	112,567 24
404	Angola	288,905 03	244	Farmers State Bank, Bunker Hill	215,834 69
404	Arcola State Bank, Arcola	256,025 04	276	State Bank of Burnettsville,	
410	Citizens State Bank, Argos	377,388 26	445	Burnetts Creek	244,079 55
551	The Ashley State Bank, Ashley.	155,558 56	445	Burlington State Bank, Burling-	0.50.504.44
511	State Bank of Atlanta, Atlanta.	238,461 31	420	ton	256,781 14
23	Farmers and Merchants Bank,	1 174 044 20	432 267	Burney State Bank, Burney	159,849 98
185	Attica	1,174,244 30 724,603 22	314	Knisely Bros. & Co. Bank, Butler Butlerville State Bank, Butler-	575,380 96
292	Auburn State Bank, Auburn Aurora State Bank, Aurora	435,643 22	914		011 641 00
318	Austin State Bank, Austin	134,706 47	548	ville	211,641 00 219,964 05
455	The Farmers State Bank, Bain-	134,700 47	291	Farmers State Bank, Camden	189,424 10
400	bridge	194,653 37	473	State Bank of Campbellsburg,	109,424 10
315	Farmers State Bank, Bargersville	256,477 96	110	Campbellsburg	290,497 13
39	The Batesville Bank, Batesville.	969,108 27	275	Peoples State Bank, Carlisle	612,215 25
434	Battle Ground State Bank,	000,100 41	265	Citizens State Bank, Carmel	335,345 06
101	Battle Ground	255,933 01	403	Centerville State Bank, Center-	000,010 00
50	Stone City Bank, Bedford	976,134 48		ville	301,794 75
418	Beech Grove State Bank, Beech		195	Bank of Chalmers, Chalmers	245,731 99
	Grove	195,662 78	191	State Bank of Chalmers, Chal-	·
554	Bentonville State Bank, Benton-			mers	203,924 34
	ville	77,911 19	66	Bank of Charlestown, Charles-	
68	Bank of Berne, Berne	531,229 27		town	394,800 82
152	Peoples State Bank, Berne	491,005 29	339	Chesterton Bank, Chesterton	879,959 34
370	Bippus State Bank, Bippus	221,770 21	260	The Chrisney State Bank, Chris-	
273	Bloomfield State Bank, Bloom-			ney	296,731 66
	field	398,488 80	549	Farmers State Bank, Chrisney	145,767 90
140	Citizens State Bank, Bloomfield	271,395 70	441	The Farmers State Bank, Chur-	
89	Monroe County State Bank,	000 007 01		. ubusco	253,050 59
160	Bloomington Bluffton	860,007 81	475	Exchange Bank, Churubusco	423,290 76
168 37	The Studebaker Bank, Bluffton. The Wells County Bank, Bluffton	2,323,205 12 1,319,233 49	375	State Bank of Clarks Hill, Clarks	
600	Sugar Creek State Bank, Boggs-	1,019,200 49		Hill	141,959 40
000	town	37,430 33	199	Clarksburg State Bank, Clarks-	104 210 00
234	Borden State Bank, Borden	245,503 48	FOF	burg Non-horte Book	194,510 69
169	Farmers and Merchants Bank,	210,000 10	525	Farmers and Merchants Bank,	616 199 04
200	Boswell	296,894 51	491	Clay City State Bank of Claypool, Clay-	616,133 84
405	Farmers State Bank, Boston	136,945 42	491	pool	194,800 86
284	Bourbon Banking Company,		391	Clayton State Bank, Clayton	218,109 42
	Bourbon	199,691 05	589	Clermont State Bank, Clermont	67,083 86
142	First State Bank, Bourbon	850,402 14	94	Citizens Bank, Clinton	843,073 20
514	Bremen State Bank, Bremen	321,378 07	536	Ninth St. State Bank, Clinton.	317,189 71
57	Union State Bank, Bremen	576,865 15	424	Farmers State Bank, Colfax	221,479 09
509	Bristol State Bank, Bristol	230,866 39	572	Coatesville State Bank, Coates-	,,,,,,
596	Citizens State Bank, Bristol	62,333 49		ville	76,576 06
371	Broad Ripple State Bank, Broad		263	Central State Bank, Connersville	661,396 49
	Ripple	426,312 66	270	Farmers State Bank, Converse	353,640 57

446	The Citizens Bank, Covington	\$605,999 96	439	The Lamasco Bank, Evansville.	\$1,067,183 34
486	Farmers State Bank, Craigsville	134,259 16	505	Mercantile - Commercial Bank,	0.000 1.7
567	Harrison County State Bank, Crandall	97,031 79	411	Evansville North Side Bank, Evansville	3,222,147 43 1,513,941 36
167	Crawfordsville State Bank, Craw-	91,001 19	148	West Side Bank, Evansville	3,628,841 16
107	fordsville	1,023,011 38	330	Fairbanks State Bank, Fairbanks	200,461 66
181	Cromwell State Bank, Cromwell	287,734 09	367	Citizens State Bank, Fairmount	264,093 26
500	Sparta State Bank, Cromwell	205,744 84	209	Fairmount State Bank, Fair-	202,000 20
252	Cross Plains State Bank, Cross			mount	405,637 94
	Plains	191,103 40	208	Citizens State Bank, Farmers-	
400	Citizens State Bank, Crothers-			burg	247,722 87
	ville	85,053 31	30	Farmland State Bank, Farmland	193,632 11
121	Crothersville State Bank,	400 000 50	366	Beckman State Bank, Ferdinand	322,459 14
108	Crothersville	400,668 50 434,479 81	$\frac{452}{174}$	Union State Bank, Flat Rock Florence Deposit Bank, Florence	122,016 35
200	Peoples State Bank, Crown Point	1,414,753 93	250	The Fortville Bank, Fortville	117,249 60 500,734 40
513	State Exchange Bank, Culver	700,150 74	591	The Broadway State Bank, Fort	300,734 40
232	Cynthiana Banking Company,	100,100 11	001	Wayne	93,858 63
	Cynthiana	245,874 14	559	The Fort Wayne State Bank,	
351	Dale State Bank, Dale	266,164 62		Fort Wayne	377,341 75
541	Farmers and Merchants State		460	Farmers State Bank, Fountain-	
	Bank, Dale	126,307 95		town	119,929 80
215	Bank of Dana, Dana	327,182 33	595	Fountain State Bank, Fountain	
190	Danville State Bank, Danville.	240,932 48	~.	City	125,097 29
399	Darlington State Bank, Darling-	388,360 37	74	Bank of Benton County, Fowler	346,334 54
259	ton	088,000 0 <i>t</i>	145	State Bank of Francesville, Francesville	320,369 44
209	Bank, Darlington	285,381 16	307	Francisco State Bank, Francisco	189,830 16
6	Old Adams County Bank,	200,001 10	10	Farmers Bank, Frankfort	1,278,691 69
Ť	Decatur	1,529,790 65	227	The Freelandville Bank, Free-	-,-,0,002 00
324	Farmers and Merchants Bank,			landville	209,938 97
	Decker	181,653 00	379	First State Bank, Fremont	392,228 64
390	Delphi State Bank, Delphi	636,055 46	164	French Lick State Bank, French	
527	Citizens State Bank, Denver	186,820 26	200	Lick	909,514 95
136	Dillsboro State Bank, Dillsboro.	429,975 00	398	Friendship State Bank, Friend-	207 214 40
327 197	Farmers State Bank, Dubois The Dugger State Bank, Dugger	200,937 98 515,387 88	286	shipFulton State Bank, Fulton	207,316 69 276,348 87
376	Citizens State Bank, Dunkirk	276,026 87	393	First State Bank, Galveston	141,811 03
122	First State Bank, Dunkirk	731,121 09	88	Garrett State Bank, Garrett	811,786 13
340	Dupont State Bank, Dupont	176,384 58	523	American State Bank, Gary	373,702 14
242	Earl Park State Bank, Earl Park	193,996 43	544	Central State Bank, Gary	104,649 84
510	American State Bank, East Chi-		249	First State Bank, Gary (Tolles-	
	cago	700,059 15		ton)	362,503 00
332	East Chicago State Bank, East		269	Gary State Bank, Gary	4,086,752 70
010	Chicago.	1,028,820 12	562	Mid-City State Bank, Gary	127,294 08
219 102	Eaton State Bank, Eaton Farmers State Bank, Eaton	165,850 77 448,228 78	598 254	Peoples State Bank, Gary First State Bank, Gas City	53,674 16 319,635 68
581	The Thompson State Bank,	110,220 10	325	Gaston Banking Company, Gas-	010,000 08
001	Edinburg	660,234 58	320	ton	266,048 43
487	The Edwardsport Bank, Edwards-	,	107	Bank of Geneva, Geneva	518,826 67
	port	157,189 46	337	Farmers and Merchants State	
229	The Elberfeld State Bank, Elber-			Bank, Geneva	307,278 31
	feld	371,212 56	326	Georgetown State Bank, George-	
569	First Old State Bank, Elkhart.	625,445 63		town	151,480 59
12. 202	St. Joe Valley Bank, Elkhart	5,533,709 03	279	Glenwood State Bank, Glenwood	229,679 99
202	Peoples State Bank, Ellettsville Citizens State Bank, Elwood	171,145 31 1,136,044 69	78 257	State Bank of Goshen, Goshen. Grabill State Bank, Grabill	586,895 33 320,654 90
151	Elwood State Bank, Elwood	983,114 49	483	Grandview Bank, Grandview	452,948 50
449	Farmers State Bank, Eminence.	240,307 64	116	Capital State Bank, Greenfield.	324,859 79
149	Crawford County State Bank,		118	The Greenfield Banking Co.,	
	English	650,294 75		Greenfield	701,216 25
247	Farmers and Citizens Bank,		155 .	State Bank of Greentown, Green-	
	Evansville	485,506 85		town	386,489 42

590	Griffith State Bank, Griffith	\$52,587		444	Jonesville State Bank, Jonesville	\$111,773	52
380	Hamlet State Bank, Hamlet	239,291	59	189	State Bank of Kempton, Kemp-		
546	State Bank of Hammond, Ham-		0.0	0.5	ton	409,769	
571	mond	268,500		65 545	Noble County Bank, Kendallville	1,301,351	
345	Hanover Deposit Bank, Hanover	156,261 (99,011 (550	Citizens State Bank, Kingman. Kingman State Bank, Kingman.	271,864	
363	Harlan State Bank, Harlan	242,948		304	Discount and Deposit State Bank.	232,191	70
87	Blackford County Bank, Hart-	212,010		001	Kentland	809,604	72
	ford City	678,456	83	357	Kent State Bank, Kentland	427,330	
16	Citizens State Bank, Hartford	,		507	State Farmers Bank, Keystone	125,891	
	City	1,419,926	04	386	First State Bank, Kewanna	424,817	
193	The Haubstadt Bank, Haub-			501	State Bank of Kimmell, Kimmell	121,003	70
	stadt	571,204 (397	Farmers State Bank, Kirklin	202,133	44
157	Citizens State Bank, Hazelton.:	451,701 8		133	Farmers State Bank, Knox	583,769	58
288	The Citizens Bank, Hebron	. 333,662 8		479	South Kokomo Bank, Kokomo.	197,170	08
580	Hemlock State Bank, Hemlock.	65,294 (528	Porter County State Bank,		
.182	Henryville State Bank, Henryville	298,247 8		482	Kouts	264,528	
361 319	Hillsboro State Bank, Hillsboro Hoagland State Bank, Hoagland	227,571 6		442	Citizens State Bank, Lacrosse Citizens State Bank, Ladoga	320,707	
120	The First State Bank, Hobart.	226,020 2 619,492 4		132	Farmers and Traders State Bank,	591,615	68
435	Farmers State Bank, Hobbs	225,615		102	Lafayette	3,551,456	36
137	Holton State Bank, Holton	299,539 3		522	Farmers State Bank, Lafontaine	161,496	
409	Hope State Bank, Hope	239,949 2		171	Lagrange State Bank, Lagrange.	536,440	
495	Farmers State Bank, Hudson	185,142 2		387	Citizens State Bank, Lagro	169,381	
22	Huntingburg Bank, Huntingburg	693,269	10	396	Laketon State Bank, Laketon	139,232	
150	Citizens State Bank, Huntington	1,630,205 4	43	516	Farmers State Bank, Lakeville	182,598	66
134	Huntington County State Bank,			347	Farmers State Bank, Lanesville	300,852	94
	Huntington	1,580,310 8	51	463	Farmers State Bank, Lapaz	212,470	
407	Huntertown State Bank, Hunter-			223	State Bank of Lapel, Lapel	200,317	66
	town	209,312 8		210	A. P. Andrew, Jr. & Son Bank,		
236	Hymera State Bank, Hymera	487,780 1		014	Laporte	2,870,425	
471 521	State Bank of Idaville, Idaville Brightwood State Bank, Indian-	215,522 3	52	214 428	Bank of State of Indiana, Laporte	1,768,411	
341	apolis	280,301 6	35	233	Lawrence State Bank, Lawrence. The American State Bank, Law-	109,869	35
384	Citizens State Bank, Indianapolis	877,952 1		200	renceburg	335,406	00
385	Irvington State Bank, Indian-	0,1,002		224	LeavenworthStateBank, Leaven-	000,200	30
	apolis	876,489 4	1		worth	291,546	64
300	Fountain Square State Bank,	,		373	Boone County State Bank,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	Indianapolis	485,980 2	28		Lebanon	888,218	09
417	Live Stock Exchange Bank,			130	Farmers State Bank, Lebanon	873,018	59
	Indianapolis	1,179,699 7	73	302	Peoples State Bank, Leesburg	235,966	55
372	Marion County State Bank,			578	Farmers State Bank, Leipsic	64,422	
	Indianapolis	922,799 1		437	Letts State Bank, Letts	148,073	
241	Meyer-Kiser Bank, Indianapolis	3,463,714 6	39	597	Lexington State Bank, Lexington	155,720	94
414	Northwestern State Bank, Indi-	707 010 0	14	277	Liberty Center Deposit Bank,	200 007	0.1
129	anapolis	707,918 0		350	Liberty Center The Citizens Bank, Ligonier	302,287 889,350	
394	South Side State Bank, Indian-	2,312,612 3	9	217	Mier State Bank, Ligonier	936,981	
001	apolis	1,498,553 4	19	512	Linden State Bank, Linden	233,235	
565	State Bank of Massachusetts	1,100,000 1		430	Linnsburg State Bank, Linns-	. 200,200	**
	Avenue, Indianapolis	151,194 2	25		burg	129,567	89
218	J. F. Wild & Co. Bank, Indian-			582	State Bank of Lizton, Lizton	253,418	
	apolis	3,530,775 4	16	298	Farmers and Merchants State		
160	Citizens State Bank, Jamestown	486,172 9	97		Bank, Logansport	1,089,767	70
419	The Peoples State Bank, Jason-			97	Logansport State Bank, Logans-		
	ville	640,412 4	16	450	port	1,442,184	42
26	Dubois County State Bank,	011 170 0		158	The White River Bank, Loogoo-	E40.000	10
105	Jasper Yarahanta State	611,459 9	16	509	Logartville State Benk Logart	549,029	12
105	Farmers and Merchants State Bank, Jasper	472,403 3	20	592	Losantville State Bank, Losantville	204,225	04
353	German-American Bank, Jasper	336,305 3		395	Lucerne State Bank, Lucerne	172,149	
517	Clark County State Bank, Jeffer-	000,000 0	,,,	474	Citizens Banking Co., Lynn	357,326	
	sonville	790.927 7	73	493	Corn Exchange Bank, Lyons,	189,515	
						,	

		60×040 00	404	E C . D 1 16 .	CDEO 200 04
566	Mackey State Bank, Mackey	\$97,249 26	494	Farmers Savings Bank, Muncie.	\$372,689 96
212	Marion State Bank, Marion	1,347,222 23	176	Napoleon State Bank, Napoleon	192,875 45
503	South Marion State Bank, Ma-		450	Farmers and Traders Bank, Nap-	
	rion	188,838 28		panee	519,336 62
175		100,000 10	203	Nashville State Bank, Nashville	251,567 11
175	Farmers and Traders Bank,	000 000 00			201,007 11
	Markle	389,028 09	518	Farmers and Traders State Bank,	
524	Markleville State Bank, Markle-			Needham	120,671 50
	ville	266,983 57	278	Floyd County Bank, New Albany	876,718 41
262	Farmers State Bank, Matthews.	147,047 23	377	New Augusta State Bank, New	
	Medaryville State Bank, Medary-	211,021 20			198,009 49
271			*00	Augusta	190,009 49
	ville	315,130 81	539	Farmers State Bank, New Car-	
529	The Medora State Bank, Medora	288,427 05		lisle	157,414 36
584	Farmers State Bank, Mentone	690,783 87	3	Citizens State Bank, Newcastle.	1,755,324 36
364	Merom State Bank, Merom	119,605 23	328	New Haven State Bank, New	
			020		E44 200 CD
427	Farmers State Bank, Mexico	208,295 05		Haven	544,300 69
32	The Citizens Bank, Michigan		476	Peoples State Bank, New Haven	275,250 89
	City	2,828,843 11	568	New Marion State Bank, New	
497	Peoples State Bank, Michigan-			Marion	92,461 75
201	town	252,405 25	173	Farmers State Bank, New	,
054			110		040 000 00
354	First State Bank, Middlebury	447,034 19		Market	246,862 89
19	The Farmers State Bank, Middle-		406	First State Bank, Newpoint	219,361 42
	town	441,303 75	204	Citizens State Bank, Newport	201,864 59
583	Middletown State Bank, Middle-		264	Corn Exchange State Bank, New	
000		104 206 90			045 107 99
	town	104,306 89		Richmond	245,197 83
431	Farmers State Bank, Miami	178,263 93	563	Farmers State Bank, New	
542	Farmers State Bank, Milan	86,687 39		Ross	90,702 37
119	The State Bank of Milan, Milan	621,121 61	504	New Salem State Bank, New	
481	Farmers State Bank, Milford	312,187 14		Salem	145,978 51
577	Citizens State Bank, Milford	132,744 83	295	New Washington State Bank,	110,010 01
		152,744 65	290		
312	Millersburg State Bank, Millers-			New Washington	232,704 71
	burg	214,119 90	11	Citizens State Bank, Noblesville	1,005,087 87
576	West End State Bank, Misha-		355	First State Bank, North Judson	816,747 98
	waka	236,513 05	573	North Judson State Bank, North	,
560	The Mohawk State Bank, Mo-	200,010 00	0.0		100 740 47
300				Judson	128,740 47
	hawk	136,785 (5	338	North Liberty State Bank, North	
466	Mongo State Bank, Mongo	187,471 61		Liberty	418,183 29
564	Farmers and Traders State Bank.		489	North Madison State Bank,	
	Monon	286,892 42		North Madison	105,439 33
248	State Bank of Monon, Monon		105		100,100 00
		372,713 91	135	Indiana State Bank, North Man-	
289	Monroe State Bank, Monroe	157,386 08		chester	580,825 23
309	Monroe City State Bank, Monroe		477	Farmers State Bank, North Web-	
	City	143,510 72		ster	152,650 15
84	Citizens State Bank, Monroeville	443,962 90	502	Oaklandon State Bank, Oak-	202,000 20
585		110,002 00	002		440.000.40
909	State Bank of Montezuma,			landon	142,373 16
	Montezuma	173,886 69	165	Columbia State Bank, Oakland	
360	Farmers State Bank, Monticello	159,488 13		City	313,666 41
109	State Bank of Monticello, Monti-		293	Oaktown Bank, Oaktown	337,510 91
	cello	540,443 36	461		
335		010,110 00		Farmers State Bank, Oakville	129,749 08
909	Montmorenci State Bank, Mont-		537	Farmers and Merchants State	
	morenci	313,697,72		Bank, Oldenburg	272,178 48
67	Farmers Deposit Bank, Mont-		478	Farmers State Bank, Onward	139,569 12
	pelier	519,363 59	243	Citizens State Bank, Orland	180,623 94
144		020,000 00	297		
***	with a said a sai			Citizens State Bank, Orleans	304,108 30
000	land	200,460 02	211	The Osgood Bank, Osgood	230,404 92
228	Moores Hill State Bank, Moores		28	Ripley County Bank, Osgood	912,860 33
	Hill	169,366 57	402	Farmers State Bank, Ossian	330,377 22
4	Farmers State Bank, Mooresville	629,831 30	163	Farmers and Merchants Bank,	1
344	Citizens State Bank, Morocco.		100		111 021 02
346		279,771 37		Otterbein	444,034 06
	Farmers State Bank, Morocco.	232,977 83	98	State Bank of Otterbein, Otter-	
69	Union State Bank, Morristown	213,305 64		bein	504,574 90
579	The State Bank of Mt. Ayr, Mt.		183	Otwell State Bank, Otwell	378,308 45
	Ayr	177,156 92	557	First State Bank, Owensville	358,710 99
266	Mulberry State Bank, Mulberry	500,099 06			
200		500,099 00	125	The Old State Bank, Owensville.	200,704 72
					,

			010	0.11 1 0.1 D 1 0.11	
146	The State Bank of Oxford, Ox-	9 007 401 77	313	Sellersburg State Bank, Sellers-	6070 040 04
**	ford	\$ 227,461 57 403,836 65	433	burg American State Bank, Sheridan	\$253,643 04 270,168 51
58	Orange County Bank, Paoli	456,472 32	285	Farmers State Bank, Shipshe-	270,108 31
454	Paoli State Bank, Paoli Paragon State Bank, Paragon	135,886 38	200	Wana	241,464 65
320	Paris Crossing State Bank, Paris	199,000 90	547	Citizens State Bank, Shirley	246,841 18
178	Crossing	103,930 81	29	Martin County Bank, Shoals	357,391 19
413	Parker Banking Company, Parker	267,003 51	594	Sidney State Bank, Sidney	166,144 68
64	Patriot Deposit Bank, Patriot.	171,697 56	230	Commercial State Bank, Silver	100,111 00
261	Citizens State Bank, Pekin	222,190 17	200	Lake	261,991 48
220	Pendleton Banking Co., Pendle-		593	Chapin State Bank, South Bend.	1,609,398 45
220	ton	396,421 32	593	Toth State Bank, South Bend	120,235 80
588	The Pennville Bank, Pennville	199,109 44	552	Peoples State Bank, South Bend.	728,674 04
206	Peoples State Bank, Pennville	136,216 92		South Bend State Bank, South	,
520	State Bank of Pierceton, Pierce-			Bend	543,296 38
	ton	318,159 41	586	Fodor & Busezky State Bank,	
5	Citizens State Bank, Petersburg	775,779 97		South Bend	71,983 24
555	Pittsboro State Bank, Pittsboro.	208,839 77	587	Peoples State Bank, South Mil-	
44	Citizens State Bank, Plainfield	273,984 61		ford	148,600 36
448	First State Bank, Pleasant Lake.	192,552 01	240	Farmers State Bank, South	
73	Plymouth State Bank, Plymouth	924,503 88		Whitley	273,594 47
389	Farmers State Bank of Poneto,		170	Gandy State Bank, South	
	Poneto	176,243 59		Whitley	381,587 33
570	First State Bank, Porter	120,065 09	7	The Exchange Bank, Spencer	451,448 39
8	The Citizens Bank, Portland	913,047 20	459	Farmers and Merchants State	
464	Farmers State Bank, Portland	421,665 48		Bank, Spencerville	220,465 42
1	The Peoples Bank, Portland	1,191,587 60	416	First State Bank, Star City	317,034 47
469	Farmers State Bank, Preble	183,045 57	421	The Citizens State Bank, Stiles-	
358	Raub State Bank, Raub	109,303 29		ville	137,070 19
574	Ray State Bank, Ray	107,130 06	533	Farmers State Bank, St. Paul	174,049 75
110	Bank of Redkey, Redkey	475,703 62	426	St. Joe Valley Bank, St. Joe	166 184 49
436	Farmers State Bank, Redkey	238,844 37	341	The State Bank of Stockwell,	000 505 00
311	State Bank of Remington, Rem-	440.000.05	40.	Stockwell	239,527 23
100	ington	442,396 25	465	Farmers State Bank, Stroh	217,873 31
192	State Bank of Rensselaer, Rens-	E00 001 20	255	The Peoples State Bank, Sullivan	1,843,251 33
280	selaerLake State Bank, Richland	529,081 38 219,016 65	114	Sullivan State Bank, Sullivan Farmers State Bank, Summit-	596,028 48
440	Bank of Reynolds, Reynolds	279,552 25	558	ville	115,142 30
131	Ridgeville State Bank, Ridgeville	251,531 20	139	The Sunman Bank, Sunman	500,196 76
123	Rising Sun State Bank, Rising	201,001 20	408	Farmers State Bank, Sweetser.	284,158 60
120	Sun	391,553 31	305	State Bank of Syracuse, Syracuse	477,009 29
86	Roachdale Bank, Roachdale	388,338 34	452	Citizens State Bank, Tab	83,920 99
480	State Exchange Bank, Roann	257,338 88	238	Indiana State Bank, Terre Haute	493,448 49
472	Farmers State Bank, Roanoke	222,135 64	532	Twelve Points State Bank, Terre	
46	The Farmers Bank, Rockport	306,052 09		Haute	596,142 30
25	Old Rockport Bank, Rockport	363,756 68	48	State Bank of Thorntown, Thorn-	
95	Parke State Bank, Rockville	673,206 42		town	386,936 85
485	Farmers State Bank, Rossville	190,027 88	496	Tippecanoe State Bank, Tippe-	
336	Citizens State Bank, Royal			canoe	91,260 54
	Center	220,943 89	515	Farmers State Bank, Topeka	192,215 07
196.	The Royal Center State Bank,		166	State Bank of Topeka, Topeka	390,544 34
	Royal Center	407,301 24	429	Troy State Bank, Troy	317,850 84
365	State Bank of Russellville,		378	Twelve Mile State Bank, Twelve	
	Russellville	152,214 25		Mile	260,105 20
42	Citizens State Bank, Salem	328,179 82	561	Farmers State Bank, Tyner	122,215 10
322	Farmers State Bank, Salem	219,406 49	499	State Bank of Uniondale, Union-	
531	State Bank of Salem, Salem	1,255,360 71		dale	338,143 33
207	Sandborn Banking Co., Sandborn	182,492 31	239	The Atlas State Bank, Union	
177	Saratoga State Bank, Saratoga.	199,539 85	-	City	953,968 90
126	Scottsburg State Bank, Scotts-	0.70 0.70 0.5	599	Union State Bank, Union Mills.	239,321 70
E0.	burg Sport County State Pour Sports	339,852 22	329	Upland State Bank, Upland	241,979 31
53		905 930 90	412	Farmers State Bank, Urbana	172,642 06
	burg	285,836 29	245	Vallonia State Bank, Vallonia	210,741 79

526	Farmers State Bank, Valparaiso	\$925,775 16	259	State Bank of West Terre Haute,		
45	State Bank of Valparaiso, Val-			West Terre Haute	\$587,499	26
	paraiso	954,184 79	556	Peoples State Bank, Whitestown	289,764	45
433	Van Buren State Bank, Van		490	Bank of Whiting, Whiting	1,802,662	86
	Buren	500,715 54	497	Central State Bank, Whiting	311,990	32
382	The Farmers State Bank, Veeders-		38	Warren County Bank, Williams-		
	burg	277,080 98		port	433,952	46
506	Veedersburg State Bank, Veeders-		92	Williamsport State Bank, Wil-		
	burg	159,552 85		liamsport	527,386	80
63	The Versailles Bank, Versailles	434,550 06	508	Willow Branch State Bank,		
72	Vevay Deposit Bank, Vevay	655,846 05		Willow Branch	120,856	10
534	State Bank of Waldron, Waldron	207,165 69	14	Farmers and Merchants Bank,	-	
540	Farmers State Bank, Waldron	131,656 72		Winchester	700,506	93
467	Farmers State Bank, Walkerton	283,223 84	15	Randolph County Bank, Win-		
161	State Bank of Walkerton, Walker-			chester	403,713	86
	ton	352,804 17	447	Farmers State Bank, Windfall	196,264	05
372	Cass County State Bank, Walton	261,375 71	80	The Peoples State Bank, Wind-		
543	Wanamaker State Bank, Wana-			fall	362,700	66
	maker	141,570 87	71	The Farmers State Bank, Win-		
468	State Bank of Wanatah, Wanatah	337,210 96		gate	312,309	83
9	Lake City Bank, Warsaw	553,333 28	369	Citizens State Bank, Wolcott	228,133	71
18	State Bank of Warsaw, Warsaw	1,148,056 80	184	State Bank of Wolcott, Wolcott	329,851	36
331	State Bank of Washington, Wash-		180	State Bank of Wolcottville, Wol-		
	ington	309,591 85		cottville	386,126	61
290	State Bank of Waveland, Wave-		492	Wildman State Bank, Wolcottville	230,094	02
	land	239,576 48	519	Wolf Lake State Bank, Wolf Lake	115,091	87
488	Farmers State Bank, Wawaka	99,357 94	143	Woodburn Banking Co., Wood-		
296	Waynetown State Bank, Wayne-			burn	202,268	02
	town	345,672 48	333	Worthington Exchange State		
106	The Farmers State Bank, West			Bank, Worthington	269,215	85
	College Corner	643,281 72	348	Yoder State Bank, Yoder	198,014	66
21	State Bank of Westfield, West-		484	Farmers State Bank, Young	g	
,	field	183,492 43		America	157,797	08
349	Purdue State Bank, West La-			-		
	fayette	365,392 10		Total	\$228,595,981	78
575	Westpoint State Bank, Westpoint	79,895 00				

RESOURCES OF PRIVATE BANKS OF INDIANA, CALL OF SEPTEMBER 6, 1921

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155	Akron Exchange Bank, Akron	\$641,351 01	317	Carbon Bank, Carbon	\$157,228 19
147	Alexandria Bank, Alexandria	657,610 84	348	Farmers Banking Co., Carlos	104,075 05
346	Central Bank, Arcadia	290,793 33	173	The Bank of Carthage, Carthage	386,140 91
11	Arlington Bank, Arlington	171,256 12	255	The Cates Bank, Cates	98,866 25
383	Atwood Bank, Atwood	78, 25 2 58	333	Citizens Bank, Charlottsville	140,470 02
58	Farmers and Merchants Bank,		160	Farmers Bank, Clarks Hill	158,130 80
	Avilla	261,479 56	201	Colfax Bank, Colfax	305,936 85
379	Farmers Bank of Belle Union,		222	Irwin's Bank, Columbus	1,606,964 42
	Belle Union—R. D. Cloverdale	51,056 95	356	The Citizens Bank, Commiskey	59,370 45
89	Citizens Bank, Bicknell	295,011 16	107	Thomas Exchange Bank, Corunna	160,882 46
23	Bloomingdale Bank, Blooming-		327	The Citizens Bank, Cory	161,001 83
	dale	139,717 04	265	Cumberland Bank, Cumberland.	214,642 22
357	Showers Bros. Savings Co.,		386	The Cutler Bank, Cutler	23,977 68
	Bloomington	112,772 95	33	The Commercial Bank, Daleville	137,608 21
304	Blountsville Bank, Blountsville.	114,189 70	218	The Peoples Banking Co.,	
377	Bridgeton Bank, Bridgeton	49,847 72		Darlington	202,900 51
231	Bank of Brook, Brook	669,251 57	329	Bank of Dayton, Dayton	248,499 37
382	Bridgeport Bank, Bridgeport	50,442 94	179	A. T. Bowen & Co., Bank, Delphi	1,272,433-65
248	Peoples Deposit Bank, Brooklyn	127,363 85	360	Bank of De Motte, De Motte	104,136 90
247	Hunter Bank, Brownsburg	351,267 42	251	Jefferson County Bank, Deputy.	100,619 48
57	Browns Valley Bank, Browns		276	The Bank of East Enterprise,	
	Valley	94,358 02		East Enterprise	141,356 44
310	Bank of Seward, Burkett	110,936 08	291	Northern Wayne Bank, Economy	118,172 45

305	The Elizabeth Bank, Elizabeth	\$129,029 62	381	Citizens Bank, Metz	\$82,538 63
172	Farmers and Merchants Bank,		146	The Milroy Bank, Milroy	230,341 91
	Elizabethtown	176,898 06	380	Washington Township Bank,	
35	The Citizens Bank, Elnora	174,239 01	00	Milton	54,481 28
144	Etna Bank, Etna Green	383,508 39 126,665 15	69 9	Bank of Mitchell, Mitchell	467,161 31
293 338	Falmouth Bank, Falmouth The Farmers Bank, Fillmore	153,383 26	303	The Citizens Banking Co., Modoc The Mount Summit Bank,	224,380 46
385	Farmers and Merchants Bank,	100,000 20	900	Mount Summit	104,668 67
900	Foraker	53,277 22	311	Farmers and Merchants Bank,	104,000 07
215	Citizens Bank, Forrest	117,785 74	0.1.2	Montgomery	113,811 36
349	Fowlerton Bank, Fowlerton	109,061 33	345	Farmers Bank, Mooreland	92,185 12
212	Frankton Bank, Frankton	272,223 71	130	Muncie Banking Co., Muncie	18,296 19
358	Bank of Fredericksburg, Fred-		279	Citizens Bank, Newberry	115,846 71
	ericksburg	180,091 72	339	The Farmers Bank, Newburg	453,108 09
295	Farmers Bank, Freetown	68,565 85	300	The Farmers Bank, New Lisbon	142,538 38
26	G. W. Conwell Bank, Galveston	262,381 33	186	New Palestine Bank, New Pales-	
223	Salem Bank, Goshen	990,178 57		tine	236,233 83
373	Goldsmith Bank, Goldsmith	66,439 17	307	The New Paris Bank New Paris	210,622 30
86	Gosport Bank, Gosport	169,186 21	62	R. H. Nixon & Company Bank,	
13	Gosport Banking Co., Gosport	212,217 13	004	Newport	298,718 98
374	Citizens Bank, Grass Creek	82,305 73 342,476 18	224	The Citizens Bank, New Ross Jackson Township Bank of Corv-	100,713 99
202	Citizens Bank, Greenfield The Gwynnville Bank, Gwynn-	342,470 10	375	don Junction, New Salisbury.	70 070 01
301	ville	71,997 32	140	The Newtown Bank, Newtown	70,378 21
371	Farmers Bank, Hall	47,855 98	154	North Salem Bank, North Salem	176,207 45 227,480 34
30	Hamilton Bank, Hamilton	316,743 06	336	Farmers Bank, Odon	150,232 61
321	Farmers and Merchants Bank,	010,110 00	100	Bank of Oxford, Oxford	570,080 26
021	Hanna	184,460 32	244	Citizens Bank, Palmyra	380,607 46
315	Bank of Hardinsburg, Hardins-	101,100 02	312	Patricksburg Bank, Patricksburg	184,784 20
010	burg	247,595 94	183	Bank of Pence, Pence	162,062 02
216	Farmers Bank, Hazelwood	100,009 92	314	The Perrysville Bank, Perrysville	139,202 34
322	Farmers and Merchants Bank,		355	Jackson Township Bank, Persh-	,
	Highland	134,884 38		ing	105,967 31
64	Hobart Bank, Hobart	270,774 25	268	Bank of Petroleum, Petroleum.	197,556 75
318	Hillisburg Bank, Hillisburg	107,639 53	111	Bank of Pine Village, Pine Village	201,292 55
159	State Bank of Lima, Howe	451,479 33	263	Farmers Bank, Plainville	210,511 14
384	The Citizens Bank, Jolietville.	28,735 69	337	Bank of Poland, Poland	116,961 27
240	Citizens Bank, Jonesboro	162,586 31	313	Bank of Poneto, Poneto	151,335 86
91	Campbell & Fetter Bank, Kendall-		331	Rockfield Bank, Rockfield	145,567 99
	ville	566,748 85	368	Peoples Bank, Rolling Prairie	107,133 69
319	Kennard Bank, Kennard	143,083 92	44	Romney Bank, Romney	215,789 08
271	The Bank of Kirkpatrick, Kirk-	WO 00 W 40	370	Rosston Bank, Rosston—Leba-	
400	patrick	78,267 49	0.4	non	43,004 68
137	Lafontaine Bank, Lafontaine	310,891 89	94	Bank of Rossville, Rossville	279,849 42
340	Farmers and Merchants Bank,	149 100 06	213	Bank of Russellville, Russellville	344,464 03
972	La Otto	143,129 26 119,125 57	365	Farmers Bank of Salamonia,	96 491 06
273 189	Laurel Bank, Laurel	97,735 59	288	Salamonia Renner's Bank, Sandborn	86,481 06 63,440 23
260	Leiters Ford Bank, Leiters Ford.	140,808 46	352	Bank of San Pierre, San Pierre.	113,472 84
77	Citizens Bank, Liberty	560,071 49	270	Amick's Bank, Scipio	78,953 93
299	Bank of Linn Grove, Linn Grove	114,023 41	286	Farmers Bank, Scircleville	132,525 81
236	Bank of Lyons, Lyons	173,154 33	297	Bank of Sedalia, Sedalia	120,771 73
267	Citizens Bank, Macy	202,559 84	350	The Bank of Selma, Selma	115,599 94
103	Manilla Bank, Manilla	341,129 72	229	The Sharpsville Bank, Sharps-	.,
308	Farmers Bank, Marco	- 85,356 02		ville	381,457 39
252	Bank of Marengo, Marengo	320,497 39	351	Citizens Bank, Southport	184,019 58
378	Bank of Marshfield, Marshfield.	67,772 25	294	Greensfork Township Bank,	
84	Citizens Bank, Marshall	148,386 62		Spartansburg, Crete	123,845 40
306	The Mecca Bank, Mecca	108,014 71	51	The Henry County Bank, Spice-	
367	Mechanicsburg Bank, Mechanics-			land	329,998 72
	burg, R. D. Lebanon	60,704 32	366	The Springport Bank, Springport	52,230 86
54	Mellott Bank, Mellott	112,068 98	332	Farmers Bank of St. Bernice, St.	400 448
296	The Farmers Bank, Metamora	111,977 86		Bernice	180,145 02

YEAR BOOK

328	E. R. Robard's Bank, Stilesville	\$150,597	70	228	Central Bank, West Lebanon	\$353,018 48
309	The Peoples Bank, Straughn	103,700	27	105	Farmers Bank, West Lebanon	538,926 32
344	Peoples Bank, Sulphur Springs	77,052	24	261	Bank of Westville, Westville	162,664 40
341	The Sulphur Springs Bank, Sul-			195	Bank of Wheatfield, Wheatfield.	231,009 34
	phur Springs	120,105	78	157	Farmers and Merchants Bank,	
283	Bank of Tocsin, Tocsin	184,166	77		Wheatland	142,615 35
287	Bank of Urbana, Urbana	36,402	29	362	Farmers Bank of Wyatt, Wyatt.	173,823 84
347	The Wabash Bank, Vincennes	120,805	79	369	Yeddo Bank, Yeddo	45,297 57
246	Citizens Bank, Wakarusa	101,819	62	238	Bank of Yeoman, Yeoman	122,268 79
72	Exchange Bank, Wakarusa	442,310	53	266	Yorktown Banking Co., York-	
258	Farmers Bank, Wallace	103,450	19		town	158,776 42
126	Exchange Bank, Warren	829,672	15	74	Zanesville Bank, Zanesville	132,239 32
37	Citizens Bank, Waterloo	321,959	56	82	Farmers Bank, Zionsville	323,557 44
365	Waverly Bank, Waverly	67,644	50		_	
249	Farmers and Merchants Bank,				Total	\$34,611,193 08
	Waynetown	107,693	58			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
			****	~ ~ ~	770	
		SAV	ING	S BAN	KS	
Poor	oles Savings Bank, Evansville	\$6,256,175	17	Torr	e Haute Savings Bank, Terre	
	yette Savings Bank, Lafayette	3,058,841		1011	Haute	\$3,352,029 85
	Porte Savings Bank, La Porte	2,186,493			Liauve	ψ5,552,025 55
	Joseph County Savings Bank,	2,100,400			Total	219' 459 496 11
Di.	South Bend	3,598,946	40		10021	910,402,400 11
	South Bend	0,000,010	40			
	· · · · · · · · · · · · · · · · · · ·					
	RESOURCES OF TRUST CO	OMPANIES	OF	INDL	ANA, CALL OF SEPTEMBER 6	, 1921 -
	G 11 D 1 1 M 1			0.0	m	
131	Commercial Bank and Trust	* *** ***	40	86	The Farmers Loan and Trust Co.	
	Company, Alexandria	\$438,009			Columbia City	\$1,241,144 69
184	Peoples Trust Co., Alexandria	239,940		18	The Provident Trust Co., Colum-	
15	Anderson Trust Co., Anderson	1,135,630	75		bia City	701,458 80
129	Farmers Trust Company, Ander-			46	The Peoples Savings and Trust	
	son	1,189,457	24		Co., Columbus	813,663 79
157	Madison County Trust Co.,			175	Farmers Trust Company, Colum-	
	Anderson	313,963			bus	693,072 45
80	Angola Bank Trust Co., Angola.	737,035	38	34	Fayette Bank and Trust Co.,	_
116	First Trust and Savings Co.,				Connersville	3,265,762 20
	Argos	207,238	53	72	Farmers Savings and Trust Co.,	
23	The Citizens Trust Company,				Corydon	213,176 89
	Bedford	545,451	53	53	The Fountain Trust Co., Cov-	
176	Bicknell Trust and Savings Co.,				ington	193,315 68
	Bicknell	332,517	69	13	The Crawfordsville Trust Co.,	
148	Bloomfield Trust Company,				Crawfordsville	588,044 09
	Bloomfield	327,009	28	133	Farmers, Merchants and Clem-	
201	Farmers Bank and Trust Co.,	•			ents Trust Co., Crawfordsville	849,518 26
	Bloomfield	328,855	48	203	Union Trust Co., Crawfordsville	111,050 09
22	Citizens Loan and Trust Co.,			6	The Danville Trust Co., Danville	125,401 14
	Bloomington	1,138,424	20	165	The Peoples Laon and Trust Co.,	
74	Union Savings and Trust Co.,				Decatur.:	616,915 93
	Bluffton	253,504	69	119	Carroll County Loan and Trust	
164	Peoples Trust and Savings Bank,				Co., Delphi,	264,411 93
	Boonville	784 524	90	105	First Calumet Trust and Savings	
11	The Brazil Trust Company,				Bank, East Chicago	1,329,033 94
	Brazil	1,458,739		183	First Trust and Savings Co., East	
122	Davis Trust Company, Brazil	509,768	79		Chicago	204,016 23
167	Peoples Trust Co., Brookville	731,263	20	84	The Elwood Trust Co., Elwood.	821,690 85
196	Brownstown Loan and Trust Co.,			63	American Trust and Savings	
	Brownstown	293,317	52		Company, Evansville	2,711,578 24
114	Wayne Trust Company, Cam-			166	Citizens Trust and Savings Bank,	,
	bridge City	426,084	.98		Evansville	1,143,752 66
141	Peoples Bank and Trust Co.,			193	Farmers Trust Co., Evansville	533,954 00
	Clayton	210,264	93	117	Carroll County Loan, Trust and	
153	Clinton Trust Company, Clinton	865,988			Savings Co., Flora	718,399 64

				The state of the s	
195	Bowser Loan and Trust Co., Fort		108	Fidelity Trust Company, Indian-	
	Wayne	\$513,572 22		apolis	\$2,143,616 30
16		3,102,944 36	138	Fletcher Trust and Savings Co.,	
190		1,372,983 07		Indianapolis	16,638,155 78
121	The Lincoln Trust Co., Fort		1	The Indiana Trust Company,	
	Wayne	3,445,690 56		Indianapolis	17,585,765 63
47			31	Security Trust Company, Indian-	
	Co., Fort Wayne	3,177,483 07		apolis	2,745,941 61
50	Tri-State Loan and Trust Co.,		163	State Savings and Trust Com-	
	Fort Wayne	11,056,183 38		pany, Indianapolis	3,844,692 42
189	Clinton County Bank and Trust		2	Union Trust Company, Indian-	
	Co., Frankfort4	1,085,488 56		apolis	22,930,189 92
177			134	Washington Bank and Trust Co.,	
	Frankfort	431,692 81		Indianapolis	1,845,928 13
29	Frankfort Loan and Trust Co.,		110	Citizens Trust and Savings Com-	
	Frankfort	644,629 16		pany, Indiana Harbor	662,246 89
142	Farmers Trust Co., Franklin	594,620 35	158	First State Trust and Savings	
137	The Union Trust Co., Franklin	181,226 01		Bank, Indiana Harbor	1,129,035 94
102	Garrett Savings, Loan and Trust		90	The Citizens Trust Company,	
	Co., Garrett	224,666 91		Jeffersonville	1,362,291 97
208	Bankers Trust Co., Gary	187,199 47	82	Kendallville Savings and Trust	
111	Gary Trust and Savings Bank,			Co., Kendallville	188,419 28
	Gary	1,542,289 87	178	American Trust Company, Koko-	
112	South Side Trust and Savings Co.			mo	1,092,494 30
	Gary	747,623 93	130	The Farmers Trust and Savings	
147	State Trust and Savings Bank,			Bank, Kokomo	1,464,280 13
	Goodland	229,074 55	41	Kokomo Trust Company, Koko-	
26	Elkhart County Trust Co.,			mo,	2,174,566 13
	Goshen	1,401,204 07	197	Peoples Trust and Savings Bank,	
24	The Central Trust Company,			Kokomo	453,188 21
	Greencastle	774,136 59	179	Starke County Trust and Sav-	
151	The Citizens Trust Company,			ings Bank, Knox	587,704 37
	Greencastle	374,143 28	7	Lafayette Loan and Trust Co.,	
70	The Union Trust Co., Greens-			Lafayette	2,972,809 55
	burg	556,221 24	33	Tippecanoe Loan and Trust Co.,	
160	The Union Trust Company,			Lafayette	1,095,730 19
	Hagerstown	116,542 85	185	Lagrange County Trust Co., La-	
126	American Trust and Savings			grange	211,719 01
	Bank, Hammond	654,209 47	186	Laporte Loan and Trust Co., La-	
87	Hammond Trust and Savings			porte	512,137 77
	Bank, Hammond	681,955 40	140	Peoples Trust and Savings Bank,	
42	First Trust and Savings Bank,			Laporte	1,225,831 70
	Hammond	2,323,783 72	12	Citizens Loan and Trust Com-	
156	Northern Trust and Savings		-	pany, Lebanon	658,237 59
	Bank, Hammond	296,856 45	78	Farmers and Merchants Trust	
194	Standard Trust and Savings			Co., Ligonier	565,184 88
	Bank, Hammond	300,788 61	71	Linton Trust Company, Linton.	579,146 97
143	American Trust and Savings		206	Peoples Trust Company, Lin-	
	Bank, Hobart	243,623 20		ton	342,991 45
147	The Citizens Trust Company,		173	The Citizens Loan and Trust Co.,	
	Huntingburg.	236,093 15		Logansport	472,248 19
128	The Farmers Trust Company,		36	The Logansport Loan and Trust	
	Huntington	425,799 62		Co., Logansport	1,490,525 50
91	The Huntington Trust and Sav-		56	Madison Safe Deposit and Trust	
	ings Bank, Huntington	919,835 89		Co., Madison.	2,422,054 66
132	Aetna Trust and Savings Com-		202	Citizens Trust and Savings Co.,	
***	pany, Indianapolis	2,138,977 21	100	Marion	526,629 84
181	Bankers Trust Company, Indian-	0.000.000.00	120	Farmers Trust and Savings Co.,	1 710 550 05
100	apolis	2,068,899 61		Marion	1,718,559 87
187	City Trust Company, Indian-	1 400 000 50	35	Grant Trust and Savings Com-	0.690 550 44
00	apolis	1,433,697 52	100	pany, Marion	2,632,779 41
68	Farmers Trust Company, Indian-	1 070 010 00	136	Martinsville Trust Company,	502.010.04
	apolis	1,859,019 39		Martinsville	503,919 04

YEAR BOOK

49	Michigan City Trust and Savings		127	Shelbyville Trust Company,	
	Bank, Michigan City	\$1,187,183 62		Shelbyville	\$773,414 18
66	First Trust and Savings Bank,		172	The Security Trust Company,	
67	Mishawaka Trust and Savings	2,319,378 43	60	Shelbyville	463,569 02
07	Bank, Mishawaka	1,545,094 97	60	American Trust Company, South Bend	4,937,824 78
83	North Side Trust and Savings	-,0-20,002 01	28	Citizens Trust and Savings Bank,	4,501,024 10
	Bank, Mishawaka	938,488 11		South Bend	3,545,423 34
69	White County Trust and Savings	440 mmo 40	180	Farmers Trust Company, South	
209	Co., Monticello Farmers Trust Co., Morgantown	412,776 43 46,417 17	27	Bend	1,259,908 24
92	Peoples Bank and Trust Co.,	40,417 17	41	The St. Joseph Loan and Trust Co., South Bend	6,928,271 50
-	Mount Vernon	1,246,073 15	101	Union Trust Company, South	0,920,271 90
192	Merchants Trust and Savings			Bend	2,501,402 99
	Co., Muncie	1,283,955 08	55	Citizens Trust Company, Sulli-	
99 170	Peoples Trust Company, Muncie American Bank and Trust Co.,	1,619,505 07	149	Van	357,195 17
170	New Albany	2,798,489 36	149	Summitville Bank and Trust Co., Summitville	411,451 81
62	Mutual Trust and Deposit Co.,	2,100,100 00	88	Citizens Trust Company, Terre	411,401 01
	New Albany	1,107,085 75		Haute	1,995,084 64
25	The New Albany Trust Com-		4	The Terre Haute Trust Co.,	
	pany, New Albany	897,759 80	45	Terre Haute	8,947,804 70
44	Central Trust and Savings Co., Newcastle	829,681-26	45	United States Trust Co., Terre Haute.	C 405 207 15
205	New Harmony Bank and Trust	020,001 20	79	Farmers Loan and Trust Com-	6,465,367 15
	Co., New Harmony	325,295 89		pany, Tipton	1,121,771 41
174	Noblesville Trust Company,		107	Union Loan and Trust Company,	
•••	Noblesville	141,856 05	000	Union City	651,127 61
30	Wainwright Trust Company, Noblesville	1,493,393 37	200	Citizens Savings and Trust Co.,	
154	Union Trust Company, North	1,450,050 01	73	Valparaiso	328,996 42
202	Manchester	374,139 14		paraiso	564,477 10
115	Pendleton Trust Company,		52	The Thrift Trust Company, Val-	
	Pendleton	285,886 78		paraiso	591,348 28
57 59	The Peru Trust Company, Peru Wabash Valley Trust Company,	1,278,181 39	155	Farmers Trust Company, Van	100.007.00
59	Peru	1,529,510 19	37	Buren	180,997 22
191	Peoples Loan and Trust Co.,	_,,		Vincennes	735,321 34
	Petersburg	.292,141 12	162	Knox Bank and Trust Company,	
93	Marshall County Trust and Sav-		- 0 -	Vincennes	645,766 31
105	ings Co., Plymouth	357,623 02	207	Harrison Bank and Trust Co.,	470 770 00
125	Jay County Trust and Savings Co., Portland	288,231 18	150	Vincennes	472,572 23
61	Citizens Trust and Savings Co.,	200,201 10	100	Wabash	663,772 20
	Princeton	666,226 90	95	Wabash County Loan and Trust	
77	The Trust and Savings Bank,			Co., Wabash	1,005,872 96
10	Rensselaer	684,644 22	17	Indiana Loan and Trust Co.,	1 007 477 07
10	mond	4,456,330.01	40	Warsaw	1,367,477 85
168	American Trust and Savings	1,100,000.01	10	Washington	463,310 91
	Bank, Richmond	718,870 90	204	American Trust and Savings	
144	Farmers Trust Company, Rising		4 4 4	Bank, Whiting	360,828 86
P7 F	Sun	58,877 30	169	First Trust and Savings Bank,	400.054.07
75	United States Bank and Trust Co., Rochester	990,899 64	32	Whiting Peoples Loan and Trust Com-	420,254 27
100	The Brown Trust Company,	000,000 01	02	pany, Winchester	622,477 34
	Rockport	825,386 17	188	Union Bank and Trust Co.,	
124	Farmers Trust Company, Rush-	444.0		Winamac	542,014 67
100	ville	191,305 95	198	Worthington Trust Co., Worth-	331,025 20
109	Company, Rushville	779,229 46		ington	001,020 20
21	Jackson County Loan and Trust			Total\$2	52,249,193 77
	Co., Seymour	894,617 26			

REPORT OF BUILDING AND LOAN DEPARTMENT

OFFICERS AND EMPLOYEES

CHARLES W. CAMP, Bank Commissioner.

JAMES H. TOMLIN, Clerk of Building and Loan Department.

HENRY HOCH, Examiner.

CHARLES F. HARPER, Examiner.

VICTOR D. MOCK, Examiner.

HESTER ANN STRICKLAND, Stenographer.

PROGRESS OF ASSOCIATIONS

Although the fiscal year closing September 30, 1921, was characized by heavy withdrawals and the consequent lack of funds for loaning purposes, the associations of the state increased in assets during the nine months from December 31, 1920, to September 30, 1921, six million, eight hundred twenty-three thousand, eight hundred twenty-eight dollars (\$6,823,828.00). Fourteen new associations were organized during the year and forty-four associations increased their capital stock.

The work of building and loan associations, as shown by reports of the last calendar year, is represented by the building of one thousand seven hundred fifty-two (1,752) homes; the improvement of three thousand eight hundred forty-three (3,843) homes, and the buying of ten thousand six hundred seventy (10,670) homes.

There will be no great movements in the building and loan business in the construction of homes until economic conditions have righted themselves in the way of decreased prices of material and labor. Costs of material and labor have been practically prohibitive to prospective home builders. It is impossible for building and loan associations to meet the demands that are made upon them or to perform their natural functions, until the return of normal conditions. But with the return of prosperity and the passing away of conditions created by the world war, building associations everywhere should be able to do their part in the work of housing the people.

LEGISLATION

Owing to the rapid expansion of building and loan associations and the changing conditions under which they operate, modifications in the laws become necessary from time to time.

Interlocking directorates should be greatly restricted or prohibited by law. Syndicated loans should be safeguarded as they usually divert the funds of associations from their true purposes. Commissions, premiums and fines are all of doubtful value and should receive legislative consideration. The appraisement of real estate should be made according to fixed rules, subject to the approval of the building and loan department. There is great danger at present that loans will be made on inflated values. The granting of such power to the building and loan department will have a tendency to prevent excessive loans and is of

vital necessity in determining the question of solvency of associations. In a large majority of the cases in which building and loan associations have had foreclosures on property, they have sustained losses.

The laws governing the organization and incorporation of building and loan associations should be made to harmonize with laws governing other financial institutions. The building and loan department should be clothed with power to make investigations as to the necessity for the association and the character and ability of the incorporators to carry on the building and loan business.

There should be a building and loan banking system enacted into law which will enable associations to finance themselves properly at all times. Membership in this system should be open only to building and loan associations of the state and the system itself should be under state control rather than under federal control. All advantages to building and loan associations proposed by a federal system can be taken care of by individual states through proper legislation. Building and loan associations are so intimately connected with the interests of the people and so democratic in their nature that centralization of power in federal government seems unnecessary unless the states fail to deal with these home-making institutions in the proper way.

The annual statement required by law on the 31st of December from associations in Indiana should be changed so that it will cover the fiscal year ending September 30th. It is almost impossible for the building and loan department to bring its reports up to date when the Year Book is published.

In view of these considerations and many others that might be mentioned, it seems that the time is at hand for the revision and codification of the building and loan laws in order that they may function more effectively and that defects that have grown up with the system may be corrected. The associations of Indiana have made tremendous progress and have naturally outgrown many of their early habits and customs.

THE FOLLOWING ASSOCIATIONS ARE IN LIQUIDATION

German Building, Loan Fund and Savings Association, Decatur.
Home Building and Loan Association, Wingate.
Enterprise Building and Loan Association, Terre Haute.
West Terre Haute Savings, Loan and Building Association, West Terre Haute.
The Wayne International Building and Loan Association, Richmond.
Harbor Building and Loan Association, East Chicago.
Pythian Savings and Loan Association, Indianapolis.
Sullivan County Loan Association, Sullivan.

ASSOCIATIONS INCORPORATED OCTOBER 1, 1920, TO OCTOBER 1, 1921

Name of Association and Location	Authorized Capital
American Building Loan and Savings Association, East Chicago	. \$1,000,000
First Rural Loan and Savings Company, Muncie	500,000
Community Savings and Loan Association, Princeton	. 100,000
Somerville Building and Loan Association, Somerville	50,000
Citizens Building and Loan Association, Cannelton	. 100,000
Workingmen's Building and Loan Association, East Chicago	. 200,000
Ninth Street Building and Loan Association, Clinton	500,000

Pierceton Savings and Loan Association, Pierceton	50,000
South Bend Rural Loan Association, South Bend	100,000
Griffith Building and Loan Association, Griffith	100,000
Liberty Rural Loan and Savings Association, South Bend	100,000
Guaranty Rural Loan and Savings Association, South Bend	100,000
Home Building and Loan Association, Mishawaka	1,000,000
Home Building and Loan Association, Dugger	100,000
Total	\$4,000,000

INCREASE IN CAPITAL STOCK OCTOBER 1, 1920, TO OCTOBER 1, 1921

•	Amount of
Name of Association and Location	Increase
Home Savings and Loan Association, Peru	\$750,000
Home Loan Association, Connersville	500,000
Peoples Building Loan and Savings Association, Hammond	400,000
Railroadmen's Building and Savings Association, Indianapolis	7,000,000
Calumet Building and Loan Association, Hammond	1,000,000
Hammond Building Loan and Savings Association, Hammond	2,000,000
River Park Building Loan and Savings Association, South Bend	50,000
Arsenal Building and Loan Association, Indianapolis	1,500,000
Home Loan and Savings Association, Huntington	500,000
Peoples Building Loan and Savings Association, Princeton	200,000
State Building and Loan Association, Indiana Harbor	500,000
Union Savings and Loan Association, Washington	500,000
Home Building and Loan Association, Vincennes	500,000
Albert Wachowski Savings and Loan Association, Gary	300,000
Boonville Building and Loan Association, Boonville	200,000
Builders Savings and Loan Association, Sullivan	100,000
Citizens Building and Loan Association, Frankfort	1,000,000
First Polish National Building and Loan Association, East Chicago	1,000,000
Gibson County Perpetual Building and Loan Association, Princeton	500,000
Jasper Building and Loan Association, Jasper	600,000
New Building and Loan Association, Seymour	300,000
Peoples Mutual Savings and Loan Association, Indianapolis	1,000,000
Peoples Home and Savings Association, Muncie	500,000
Peoples Building and Loan Association, Petersburg	150,000
Franklin Loan and Savings Association, Boonville	250,000
Howell Building and Loan Association, Howell	300,000
Mutual Savings and Loan Association, Hammond	1,000,000
Newburg Building Loan and Savings Association, Newburg	300,000
Cayuga Home Savings and Loan Association, Cayuga	100,000
Cloverdale Building Loan Fund and Savings Association, Cloverdale	100,000
Plymouth Savings and Loan Association No. 2, Indianapolis	1,500,000
Community Savings and Loan Association, Princeton	100,000
Peoples Building and Loan Association, Mishawaka	500,000
Home Loan and Savings Association, Linton	100,000
Citizens Building Loan and Savings Association, Division 2, Brookville	100,000
Union Savings and Loan Association, Crawfordsville	400,000
Rensselaer Building Loan and Savings Association, Rensselaer	300,000
First Polish Building and Loan Association, Indiana Harbor	1,000,000
Merit Savings and Loan Association, Indianapolis	300,000
Home Building and Loan Association, Washington	300,000
Peoples Savings Loan and Building Association, Vincennes	1,000,000
South Park Savings and Loan Association, Indianapolis	
	300,000
New Shelby Street Building and Loan Association, Indianapolis	350,000
Muncie Savings and Loan Company, Muncie	2,000,000
Model .	001 050 000

Four associations closed up their business during the year and there were six con-

solidations.

FINANCIAL STATEMENT FOR FISCAL YEAR ENDING SEPTEMBER 30, 1921

RECEIPTS

Examination fees	17,905	12
DISBURSEMENTS		
Salaries of clerk, examiners and stenographer	\$9,494	85
Traveling expenses of clerk and examiners	3,589	71

Total	d	\$13,084 56
Gain to state	e over expenses	4,820 56

EXAMINATION FEES

(S. B. 421, Approved March 7, 1917. In effect May 31, 1917.)

Associations of less than \$25,000 assets	\$1	0	00
Associations of over \$25,000 and less than \$50,000 assets	1	5	00
Associations of over \$50,000 and less than \$100,000	2	0	00
For each additional \$100,000 of assets or fractional part thereof	1	2 (00

CONSOLIDATED STATEMENT SHOWING IN DETAIL THE VARIOUS ITEMS OF ASSETS AND LIABILITIES OF ALL THE BUILDING AND LOAN ASSO-CIATIONS OF INDIANA AS OF DECEMBER 31, 1920

ASSETS

Cash on hand December 31, 1920	\$4,433,881	24
Loans on mortgage security	96,067,315	84
Loans on stock or passbook security	1,398,345	17
Loans on other security	1,776,188	61
Furniture and fixtures	91,503	70
Real estate—book value	878,489	02
Real estate sold on contract	1,305,036	02
Sheriff's certificates and judgments	13,804	10
Due for insurance and taxes	28,944	32
Bonds	3,178,518	53
Miscellaneous	549,310	24

Total				\$109,721,336 79
-------	--	--	--	------------------

LIABILITIES

Dues and dividends on running stock	\$83,001,599	22
Paid-up and prepaid stocks and dividends	15,828,055	19
Matured stock	2,543,684	99
Fund for contingent losses	2,216,833	22
Undivided profits	1,391,971	64
Borrowed money	3,043,716	84
Due on loans	363,006	23
Dividends unpaid	757,769	07
Miscellaneous	574,700	39

FT-A-1		9100 701 996 70
Total	 	. 5109.721.550 79

STATISTICAL INFORMATION

1.	Assets of all associations September 30, 1921\$	116,545,165	40
2.	Increase in assets of all associations from December 31, 1920, to		
	September 30, 1921	6,823,828	61
3.	Amount of capital stock subscribed and in force September 30, 1921	253,313,607	00
4.	Increase of capital stock subscribed and in force from December 31,		
	1920, to September 30, 1921	15,809,612	00
5.	Amount of authorized capital stock September 30, 1921	354,275,000	00
6.	Increase in authorized capital stock from December 31, 1920, to		
	September 31, 1921	15,350,000	00
7.	Mortgage loans in force December 31, 1920	96,067,315	84
8.	Increase in mortgage loans in 1920 over 1919	15,179,653	57
9.	Passbook loans in force December 31, 1920	1,398,345	17
10.	Decrease in passbook loans in 1920 over 1919	578,460	87
11.	Total expenses of all associations for year ending December 31, 1920	807,167	57
12.	Increase in expenses of 1920 over 1919	144,551	23
13.	Average cost of conducting the business of all associations of the		
	state, based on assets for year 1920, about	.00	073
14.	Number of homes built through associations in 1920	1,	752
15.	Number of homes improved through associations in 1920	3,8	843
16.	Number of homes bought through associations in 1920	10,6	670
17.	Total number of associations September 30, 1921		365
18.	Total number of borrowing members December 31, 1920	77,8	377
19.	Total number of investing members December 31, 1920	134,	333
20.	Total membership December 31, 1920	212,2	210
21.	Total number of shares of stock in force December 31, 1920	2,231,2	291

LIST OF BUILDING AND LOAN ASSOCIATIONS BY COUNTIES, TOGETHER WITH LOCATION, DATE OF ORGANIZATION, ASSETS, AMOUNT OF STOCK IN FORCE, AND CAPITALIZATION, AS OF SEPTEMBER 30, 1921.

Location	NAME	Date	Assets	Stock in Force	Capitalization
	Adam County				
Decatur	*German Building, Loan Fund and Savings Association.	April, 1890	\$2,785 78	1,567	200,000
	Allen County				
Fort Wayne	Home Loan and Savings Association. Prudential Building and Loan Association.	Mar., 1893 Dec., 1919	424,999 61 43,756 23	917,300	1,000,000
	Blackford County				
Hartford City	Rural Loan and Savings Association	Dec., 1919	26,850 20	49,730	1,000,000
	Bartholomew County				
Columbus	Citizens Building and Loan Association. The Bartholomew Building and Loan Association. Hope Building, Savings and Loan Association.	Oct., 1890 June, 1912 May, 1891	241, 782 94 59, 987 82 78, 674 09	766,800 166,800 137,900	1,000,000 100,000 150,000
	Benton County				
Oxford	The Oxford Building and Loan Association. Otterbein Building and Loan Association.	July, 1894 May, 1908	93, 752 32 25, 549 32	161,500	200,000
	Boone County				
Lebanon Thorntown	Lebanon Rural Credit Savings and Loan Association. The Rural Loan and Savings Association Thorntown Savings and Loan Association Zionsville Building and Loan Association	May, 1917 Nov., 1913 April, 1916 April, 1890	63,446 07 827,606 04 8,186 38 48,378 82	19, 608 954, 200 22, 700 82, 300	1,000,000 1,000,000 100,000 100,000
	Carroll County				
Delphi	The Peoples Building and Loan Association	May, 1905	59, 272 59	176,525	250,000
	Clark County				
Jeffersonville	Mutual Savings and Loan Association, No. 4.	Dec., 1888	61, 534 73	211,000	1,000,000

	1,000,000 500,000 100,000	2,000,000 200,000	100,000 1,000,000 1,500,000 4,250,000		2,000,000 600,000 1,500,000 1,500,000 1,500,000		500,000 500,000 150,000		100,000		4,500,000 3,000,000 5,000,000 500,000
	205, 100 355, 900 25, 100	89,200 1,000,000 22,800	27, 500 722, 700 1, 255, 250 3, 894, 700		1, 914, 900 61, 200 1, 164, 800 880, 000 1, 190, 600 46, 200		437,700 256,375 113,390		45,300		3, 691, 700 2, 450, 800 3, 018, 000 472, 900
	51, 816 67 198, 675 29 16, 850 00	28,867 58 434,761 68 14,002 39	12, 790 00 308, 167 77 543, 377 74 1, 498, 679 49		687,427 94 32,652 35 215,163 27 180,926 96 158,756 90 17,532 14		265, 250 17 133, 042 70 67, 582 14		32, 275 89 28, 587 75		1,858,394 76 1,246,735 28 1,412,944 17 186,400 00
	Mar., 1891 Aug., 1887 April, 1890	Sept., 1909 June, 1916 Aug., 1897	May, 1887 Jan., 1884 July, 1908 Feb., 1895		Oct., 1887 Oct., 1885 April, 1891 Aug., 1894 April, 1914 Feb., 1890		Mar., 1896 April, 1883 Feb., 1886		April, 1909 Feb., 1893		Aug., 1889 Aug., 1895 April, 1889 Nov., 1920
Clay County	*Citizens Building and Loan Association. Clay County Building and Loan Association. The Reliable Building and Loan Association.	The Home Building and Loan Associal Citizens Building and Loan Association Clover Leaf Building and Loan Associ	The Montgomery and Farmers Buildi The Industrial Savings and Loan Asse Home Building and Loan Association Union Savings and Loan Association.	Dearborn County	The Peoples Building and Loan Association. Union Building Loan Fund and Savings Association Dearborn County Loan and Building Association. Perpetual Building Association. Progressive Building and Loan Association. The Moores Hill Building and Loan Association.	Decatur County	The Greensburg Building and Loan Association. Workingmen's Building and Loan Association. St. Paul Building Association.	Dekalb County	Auburn Building and Loan Association. Dekalb County Building and Loan Association.	Delaware County	The Mutual Home and Savings Association. The Peoples Home and Savings Association. The Muncle Savings and Loan Company.
	BrazilClay City	Colfax Frankfort.	Montgomery.		AuroraLawrenceburg		GreensburgSt. Paul		AuburnGarrett		Muncie

*Liquidating.

LIST OF BUILDING AND LOAN ASSOCIATIONS BY COUNTIES—Continued

Location	NAME	Date	Assets	Stock in Force	Capitalization
Huntingburg	Dubois County Citizens Building and Loan Association Hutingburg Perpetual Building and Loan Association Jasper Building and Loan Association. Phoenix Loan Association	Feb., 1917 Mar., 1912 July, 1911 Mar., 1890	\$30, 825 87 58, 700 00 139, 515 34 68, 980 00	\$76,000 138,600 409,700 166,200	\$100,000 250,000 1,000,000 700,000
Nappanee	Elkhart County Citizens Building and Loan Association. Payette County	May, 1886	6,357 81	50,000	250,000
Connersville	Fayette Savings and Loan Association. Connersville Building and Loan Association. Home Loan Association. Floyd County	May, 1887 April, 1902 Dec., 1902	647,150 22 149,404 69 903,579 73	1,300,000 227,200 1,800,000	2,000,000 500,000 2,000,000
New Albany	Union Savings Association Fountain County	May, 1902	60,297 32	191,500	250,000
Attica Covington Hillsbro Newtown Mellott Veedersburg.	The Attica Building and Loan Association. Covington Building and Loan Association. Hillsbore Building and Loan Association. Newtown Building and Loan Association. Newtown Building and Loan Association. Hub Savings and Loan Association. Hub Savings and Loan Association. Veedersburg Building and Loan Association.	Mar., 1883 Nov., 1886 Feb., 1890 Dec., 1890 July, 1888 Nov., 1916 Jan., 1888	930, 261 40 60, 410 75 10, 445 00 27, 354 60 23, 370 80 126, 610 05 188, 464 10	1,793,000 168,200 26,200 84,200 64,800 196,700	2,000,000 500,000 250,000 200,000 200,000 500,000 500,000
Brookville	Franklin County The Citizens Building, Loan and Savings Association Division No. 2. The Franklin Building and Loan Association. Gibson County	July, 1893 Aug., 1888	156,502 35	456, 600 113, 200	500,000 200,000
Francisco. Fort Branch. Hazelton.	Francisco Building and Loan Association. Fort Branch Building and Loan Association No. 8 Fort Branch Building and Loan Association No. 9 Hazelton Building and Loan Association.	Mar., 1918 Dec., 1912 Jan., 1916 Mar., 1912	17,718 97 24,894 19 41,037 55 18,103 07	34,800 92,900 49,100 26,100	100,600 150,000 100,000 50,000

250,000 250,000 250,000 100,000 1,000,000 200,000 50,000 50,000	1,000,000	500,000 1,750,000 1,750,000 500,000 500,000	200,000	1,000,000	1,000,000	100,000 500,000 500,000	1,000,000	1,000,000
60,800 220,700 185,100 93,600 77,500 504,513 228,250 97,600 30,000	588,550	199 400 629, 200 1, 925, 500 30, 700 451, 900 213, 600	378,500	215,216	131,500	37,300 19,900 , 214,200	31,400	84,900
26, 445 41 65, 595 66 76, 595 66 78, 999 57 29, 999 31 254, 919 93 146, 238 80 10, 716 4, 501 79	353,667 03	95, 516, 46 317, 497, 44 657, 675, 52 10, 056, 62 256, 819, 95 99, 383, 99	190,961 70	91, 563 77	125,309 36	29, 132, 22 5, 572, 48 167, 544, 26	24,800 00 841,467 70	18,025 52
1896 1896 1888 1988 1908 1920	, 1915	1885 1892 1893 1911 1901 1899	1896	1883	1891	1883 1919 1896	1919	Feb., 1919
Mar., June, April, April, Dec., June, July, Dec.,	May,	Oct., Feb., Jan., Feb., Oct.,	Feb.	July,	Jan.,	May, June, Dec.,	Dec., Mar.,	Feb.,
Citizens Building and Loan Association. Home Economy Building and Loan Association. The Peoples State Building and Loan Association. Owensville Building and Loan Association. Mutual Building Loan and Savings Association. The Gibson County Perputal Building and Loan Association. People's Building, Loan and Savings Association. People's Building and Loan Association. Community Savings and Loan Association. Somerville Building and Loan Association.	Grant County Marion Building and Loan Association Greene County	Bloomfield Building, Savings and Loan Association. The Farmers and Mechanics Mutual Building, Loan and Savings Association. Southern Lindiana Mutual Building, Savings and Loan Association. Southern Lindiana Mutual Building, Savings and Loan Association. Hasonville Building, Savings and Loan Association. Building, Savings Association.		Hancock County The Greenfield Building and Loan Association. Harrison County	Savings and Loan Association. Hendricks Countu	Citizens Building, Loan Fund and Savings Association Danville Building and Loan Association. Plainfield Building and Loan Association. Henry County	American Savings and Loan Association. Henry County Building and Loan Association.	Howard County Kokomo Building and Lean Association
Haubstadt Oakland Gity Owensville Princeton	Матіоп	Bloomfield Jasonville Linton Worthington		Greenfield	Corydon	Danville. Plainfield.	Newcastle	Kokomo

LIST OF BUILDING AND LOAN ASSOCIATIONS BY COUNTIES—Continued

Capitalization	\$1,000,000 15,000 1,250,000	100,000 200,000 100,000 750,000 180,000 600,000	500,000	300,000 1,000,000 500,000 500,000	100,000 200,000 110,000	100,000 200,000 1,000,000 1,000,000 100,000 600,000 100,000
Stock in Force	, \$22, 900 4,740 1,410,000	62,750 18,000 45,400 428,800 56,400 357,600	181,950	218,800 360,000 361,750 444,500 307,750	93, 800 58, 900 60, 000	33,000 150,000 350,400 458,800 34,400 259,800 30,300
Assets	\$11,979 98 4,740 00 669,334 32	17, 525 00 8, 566 81 23, 850 12 203, 666 83 31, 500 00 150, 152 86	100,881 56	70, 727 84 109, 295 82 125, 860 61 111, 915 15 71, 721 75	59,500 00 52,750 31 26,000 00	17, 063 95 52, 183 72 129, 211 17 186, 977 79 16, 827 80 10, 673 09
Date	April, 1915 Jan., 1917 April, 1912	May, 1916 April, 1906 Mar., 1910 Dec., 1891 Oct., 1894 Sept., 1908	Dec., 1915	June, 1894 Aug., 1885 Sept., 1873 July, 1875 Sept., 1881	June, 1892 Mar., 1893 Jan., 1897	April, 1913 July, 1911 Feb., 1895 Feb., 1917 Jan., 1889 June, 1911
NAME	Huntington County Andrews Perpetual Building and Loan Association. College Park Building and Loan Association. Home Savings and Loan Association. Jackson County	Crothersville Savings and Loan Association. Union Building and Loan Association. Union Building and Loan Association. Onepreative Building and Inda Association. The Home Building Association. New Building and Loan Association.	Jasper County Rensselaer Building, Loan and Savings Association. Jefferson County	Citizens Building Association, No. 3 German Building and Aid Association, No. 6 German Building and Aid Association, No. 5 Madison Building and Aid Association, No. 8 Mite Building and Aid Association, No. 1	Jennings County Citizens Building and Loan Association, No.7 North Vernon Building and Savings Association Jennings Building and Loan Association Johnson County	Bargersville Building and Loan Association. Blue River Building and Loan Association. Franklin Building and Loan Association. Mutual Building and Loan Association. Citizens Savings and Loan Association. Greenwood Building and Loan Association. Home Building and Loan Association.
Location	Andrews. Huntington.	Crothersville	Rensselaer	Madison	North Vernon	Bargersville. Edinburg. Franklin. Greenwood.

	500,000 1,500,000 1,500,000 1,500,000 1,000,000 5,000,000 3,000,000	200° 000 200° 000	250,000 100,000 200,000	2,000,000 1,000,000 1,000,000 1,000,000 1,000,000	1, 250, 000 1, 250, 000 250, 000 1, 000, 000 1, 000, 000 2, 000, 000	25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000 25,000	1,000,000
	396,936 1,165,000 364,000 1,178,000 500,400 637,350 4,126,600 2,467,625	20,400 171,100	413,800 91,561 174,300	20, 300 20, 300 616, 500 225, 000 153, 900 117, 600	241,700 241,700 241,700 232,100 56,500 12,388 13,000 1,118,500	3, 725, 000 2, 995, 100 1,837, 000 166, 600 162, 200 507, 250	704, 600 704, 600 84, 000
	86, 516 84 747, 285 11 297, 882 99 696, 061 56 219, 301 2, 068, 151 18 1, 043, 864 75	1,453 77 84,173 45	688 739 528	321 201 075 770 914	12, 492 12, 492 112, 805 118, 004 118, 004 12, 388 00 12, 388 11, 535 11, 535	540 679 679 679 679 679 679 679 679	931 646
	Aug., 1919 Reb., 1896 May, 1910 Jan., 1893 Sept., 1883 Feb., 1905 June, 1889 Dec., 1890	Mar., 1921 Nov., 1913			Mar., 1918 Jan., 1916 July, 1915 Sept., 1913 Oct., 1919 April, 1921 May, 1910		
Knox County	American Building and Loan Association Bulchell Building and Loan Association. Citizens Building and Loan Association. Home Building and Loan Association. Knox Building and Loan Association. North Side Building and Loan Association. The Peoples Savings, Loan and Building Association. The Peoples Savings, Loan and Building Association.	Kosciusko County Pierceton Savings and Loan Association. Warsaw Building, Loan and Savings Association. Lake County	Crown Point Building, Loan and Savings Association. Sast Chiego Building, Loan and Savings Association. American Building, Loan and Savings Association. Workingmens Building and Loan Association.	First Coulsn National Building and Loan Association Firston Selling and Loan Association Twin City Savings and Loan Association Albert Waching Savings and Loan Association America Savings and Loan Association America Savings and Loan Association American Russian National Building and Loan Association Mid-City Building and Loan Association Refered Savings and Loan Association	Home Building and Loan Association Mutual Building and Loan Association Pulsaki Building, Loan and Saving Association. Slovak Building, Loan and Saving Association. Crifforty Loan and Saving Association. Griffith Building and Loan Association. Griffith Building and Loan Association. Griffith Building and Loan Association. Free Dolling Building and Loan Association. Free Dolling Building and Loan Association.	Harmond Building, Loan and Savings Association Muren Building, Loan and Savings Association Mutual Savings and Loan Association Mutual Savings and Loan Association Mational Savings and Loan Association National Savings and Loan Association National Savings and Loan Association National Savings and Savings Association Solviest Building, Loan and Savings Association	Water Dutaing and Loan Association. International Savings and Loan Association.
	BicknellVincennes	Pierceton. Warsaw	Crown Point.	Gary	Griffith Hammond	Índisna Harbor	Whiting*Liquidating.

LIST OF BUILDING AND LOAN ASSOCIATIONS BY COUNTIES—Continued

Capitalization	\$100,000 750,000 250,000 2,000,000	200,000	250,000 12,000,000 13,000 200,000 300,000	50,000 1,500,000 1,500,000 1,500,000 1,500,000 1,500,000 1,500,000 1,000,000 1,000,000 1,000,000 1,000,000
Stock in Force	\$1,000 632,250 125,100 662,300 128,000	39,600 110,588	11,767,900 99,500 177,000 276,000	17, 956 991 300, 300 2, 683 330 11, 303, 600 10, 043, 600 10, 043, 600 110, 200 110, 200 110, 200 110, 200 110, 200 110, 200 1216, 600 1216, 600 1
Assets	\$1,750 00 268,481 42 445 38 380,640 29 51,854 08	13,318 60 55,135 25	35, 633 91 4, 887, 963 98 49, 164 14 80, 837 17 100, 880 13	12, 003 65 120, 007 20 128, 067 01 1, 27, 198 82 37, 198 82 37, 198 82 49, 060 87 27, 28, 32 49, 060 87 27, 27, 28 83, 739 14 83, 739 14 83, 570 88 28, 501 62 28, 50
Date	Sept., 1907 April, 1914 May, 1920 Sept., 1895 April, 1892	Mar., 1913 Feb., 1881	May, 1917 Dec., 1888 June, 1914 April, 1893 Mar., 1891	Aug., 1909 Nov., 1887 Mar., 1918 Mar., 1918 Feb., 1918 April, 1908 May, 1874 Culy, 1913 April, 1914 April, 1915 April, 1916 April, 1916 April, 1917 April, 1916 April, 1916 April, 1917 April, 1916 April, 1917
NAME	Laporte County Citizens Building, Loan and Savings Association Home Building and Loan Association Merohants Building and Loan Association Michigan City Loan and Building Association. Mutual Loan and Savings Company	New Home Savings and Loan Association. The Mitchell Building, Savings and Loan Association. Madison County	Alexandria Building and Loan Association. Anderson Loan Association. Elwood Runal Savings and Loan Association Frankton Building and Loan Association Pendieton Loan Association. Marion County	Beech Grove Savings and Loan Association Advance Savings and Loan Association Advance Savings and Loan Association Anchor Savings and Loan Association The Arsenal Building and Loan Association Ashland Savings and Loan Association Celito Savings and Loan Association Celito Savings and Loan Association Celito Savings and Loan Association Colonial Savings and Loan Association Dum Savings and Loan Association Colonial Savings and Loan Association Dum Savings and Loan Association Dum Savings and Loan Association Downey Street Savings and Loan Association Downey Street Savings and Loan Association East End Savings and Loan Association Reletabra Avenue Savings and Loan Association Reletabra Avenue Savings and Loan Association The Home Building and Loan Association The Home Building and Loan Association Trivington Savings and Loan Association
Location	Michigan City	Bedford	Alexandria Anderson Elwood Frankton Pendleton	Beech Grove

DEPARTMENT OF BANKING	417
1,000,000 3,000,000 5,000,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,0	2,200,000
685, 200 194, 800 194, 800 194, 800 194, 800 195, 800 196, 8	1,754,000
273, 713 64 274, 618 63 77 1, 324, 618 63 77 10, 082 83 83 83 13, 417 10 13, 417 10 13, 417 10 10, 082 84 10 10, 081 174 10, 081 183 10, 081 183 10, 081 183 110, 422 03 110, 422 03 110, 422 03 110, 422 03 110, 422 03 1110, 422 03 112, 686 133 113, 422 03 113, 422 03 114, 629 22 116, 864 13 117, 879 90 118, 881 33 119, 422 03 119, 422 03 119, 422 03	747, 533 13 891, 558 78
1888 1888 1888 1888 1888 1888 1888 188	1911
May, July, J	June, Jan.,
Home Building Savings and Loan Association Ideal Society of Savings and Loan Association The Indians Savings and Loan Association The Indians Savings and Loan Association Indian Savings and Loan Association Keystone Savings and Loan Association Madison Avenue Savings and Loan Association Madison Avenue Savings and Loan Association Mourment Savings and Loan Association Mourment Savings and Loan Association New Progrees Building Association New Progrees Building Association The New Sielby Street Building and Loan Association New Progrees Building Association The New Sielby Street Building and Loan Association Peoples Mutual Savings and Loan Association Peoples Mutual Savings and Loan Association Provident Building and Loan Association Provident Building and Loan Association Provident Building and Loan Association The Rairbachene's Building and Savings Association Provident Building and Loan Association The Rairbachene's Building and Loan Association South Park Savings and Loan Association South Park Savings and Loan Association South Savings and Loan Association South Savings and Loan Association Unity Savings and Loan Association Western Savings and Loan Association Unity Savings and Loan Association Western Savings and Loan Association Marshall County Building and Loan Association Pyranouth Building and Loan Association	Home Savings and Loan Association. The Peru Building and Loan Association.
Indianapolis Loozootee	Peru.

LIST OF BUILDING AND LOAN ASSOCIATIONS BY COUNTIES—Continued

Location	NAME	Date	Assets	Stock in Force	Capitalization
	Monroe County				
Bloomington	Bloomington National Savings and Loan Association. Mutual Building and Loan Association. The Workingmen's Building, Loan Fund and Savings Association.	Nov., 1893 Aug., 1908 April, 1885	\$270,207 70 276,068 54 560,206 69	\$296, 400 442, 200 1, 662, 500	\$400,000 600,000 1,500,000
	Montgomery County				
Crawfordsville	The Crawfordsville Building, Loan Fund and Savings Association The Hooser State Building, Loan Fund and Savings Association The Montenment State Building Association The Montenment State Building Association			206,800 6,600	500,000
Darlington Ladoga	Union Savings and Lord Association. Home Building, Loan Fund and Savings Association. The Ladoga Building, Loan Fund and Savings Association.	May, 1884 May, 1884	219,457 90 66,845 75 710,765 21	621,175 170,200 1,680,800	1,000,000 2,000,000 2,000,000
Wingate	New Kichmond Building, Loan Find and Savings Association. *The Home Building and Loan Association.			88, 400 31, 449	150,000 200,000
	Morgan County				
Martinsville	Farmers Savings and Loan Association. The Home Building Association. Mooresville Building Loan and Savings Association.	July, 1917 Feb., 1890 Oct., 1919	1,000 00 291,635 91 56,051 77	17,000 346,200 99,900	50,000 1,000,000 100,000
	Newton County				
Goodland	Newton County Loan and Savings Association. Kentland Building and Loan Association	May, 1894 July, 1920	263, 208 25 14, 766 15	422, 610 223, 000	500,000 250,000
	Noble County				
Kendallville	Noble County Loan and Savings Association.	April, 1895	145, 137 21	438,800	400,000
	Ohio County				
Rising Sun	The Ohio County Building, Loan Fund and Savings Association.	Jan., 1895	20,723 93	79,400	200,000
	Orange County				
Orleans	Orleans Orleans Building, Loan and Savings Association	Oct., 1884	15,593 06	28,600	200,000

	100,000		100,000		100,000 100,000 150,000 250,000		500,000 200,000 150,000		3,000,000		100,000 500,000 50,000		50,000 200,000 500,000 100,000		500,000 250,000 500,000	
	138,500		51,600	-	55,600 55,600 235,225 256,400		393, 700 224, 700 100, 900		2,959,400		52, 500 46, 735 55, 000		43,900 102,000 408,000 29,200		265,700 212,700 456,300	
	17,401 87		19,692 27 11,405 59		15, 626 35 28, 149 43 174, 135 70 202, 020 38		162,398 50 71,663 21 28,815 36		863, 335 00		19,865 83 40,829 20 23,425 18		20, 149 09 49, 143 97 200, 000 00 20, 400 59		116, 499 06 102, 109 84 233, 983 19	
	Aug., 1911		May, 1904 May, 1895		Jan. 1921 Mar., 1896 Aug., 1885 Mar., 1914		Aug., 1915 Dec., 1915 April, 1913		Dec., 1887		Oct., 1904 Dec. 1905 May, 1914		Jan., 1915 Oct., 1889 Sept., 1911 Oct., 1911		Mar., 1890 Aug., 1899 Mar., 1889	
Owen County	Owen County Savings and Loan Association.	Parke County	Penn Building, Loan and Savings Association. Florida Perpetual Building and Loan Association.	Perry County	Citizens Building and Loan Association. Cammetron Building and Loan Association. Building Loan Fund and Savings, Association. Peoples Building and Loan Association.	Pike County	Peoples Building and Loan Association. The Petersburg Perpetual Building and Loan Association. Winslow Building and Loan Association.	Porter County	Valparaiso Building, Loan Fund and Savings Association.	Posey County	Mutual Perpetual Building and Loan Association. Peoples Loan and Savings Association. Poseyville Building and Loan Association.	Putnam County	Bainbridge Building and Loan Association. Cloverdale Building, Loan Fund and Sayings Association. Greenastle Sayings and Loan Association. Roachdale Sayings and Loan Association.	Randolph County	Sixth Building and Loan Association. Permanent Savings and Loan Association. The Winchester Home and Savings Association.	
	Spencer		BloomingdaleRosedale		CanneltonTell City		PetersburgWinslow		Valparaiso		Cynthiana. Mt. Vernon. Poseyville		Bainbridge. Cloverdale. Greencastle. Roachdale.		Union City	

*Liquidating.

LIST OF BUILDING AND LOAN ASSOCIATIONS BY COUNTIES—Continued

Capitalization	\$400,000 500,000 100,000 100,000 110,000 100,000 100,000	50,000 1,000,000 1,000,000	100,000 250,000 100,000	500,000 2,000,000 4,000,000 3,000,000	50,000 75,000 25,000 100,000 50,000	500,000 100,000 1,500,000
Stock in Force	\$388,800 456,600 16,400 77,2800 111,800 81,300 81,300	38, 900 521, 900 58, 400	23, 700 204, 600 84, 000	461,000 1,307,660 3,500,000 2,996,200	. 25,500 10,200 19,100 25,000	558,200 121,200 908,400
Assets	\$82,531 79,967 37 7,286 20 29,746 69 28,634 94 47,646 00 17,646 00 16,677 60	14,373 43 114,128 99 19,599 12	7,176 79 74,608 20 17,183 20	201, 436 45 627, 142 50 1, 377, 607 77 1, 401, 562 26	17, 659 21 17, 306 56 3, 382 30 5, 928 60 19, 804 10	210, 277 30 15, 916 77 226, 402 70
Date	Feb., 1889 June, 1884 Sept., 1914 June, 1888 May, 1887 May, 1888 Reb., 1888	Feb., 1886 Mar., 1889 June, 1890	Mar., 1913 May, 1889 Feb., 1920	May, 1896 Nov., 1889 Dec., 1891 June, 1893	Mar., 1909 Aug., 1910 May, 1909 Aug., 1911 July, 1916	June, 1889 June, 1921 Feb., 1916
NAME	Ripley County Citizens Savings and Loan Association The Permanent Building and Loan Association Cross Plains Building and Savings Association Cross Plains Building and Savings Association The Main Loan and Building Association The Osgood Building and Loan Fund Association The Ripley County Building Association Enterprise Building and Loan Association Versailies Building, Loan and Savings Association Rush County	Carthage Building, Loan and Savings A Building Association, No. 10 Prudential Building and Loan Associati	Austin Building and Loan Association. Scottsburg Building and Loan Associal Scott County Building and Loan Associa	Shelby County Citizens Building Association. Homestead Building and Loan Association. Mutual Savings and Loan Association. Union Building Association.	Spencer County Dale Savings Association Grandview Building and Loan Association Haffeld Building and Association Rockport Building, Savings and Loan Association Rockport Building, Savings and Loan Association St. Meinrad Building, Savings and Loan Association	St. Joseph County Mishawaka Building and Loan Association Home Building and Loan Association Peoples Building and Loan Association
Location	Batesville. Cross Plains. Milan. Osgood. Sunman.	CarthageRushville.	Austin Scottsburg	Flat RockShelbyville	Dale. Grandview Hatfield. Rockport. St. Meinrad.	Mishawaka

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2, 000, 000 1, 000, 000 3, 000, 000 1, 000, 000 1, 000, 000 1, 00	250,000	150,000 300,000 250,000 100,000	200,000 150,000 3,000,000 1,000,000 1,000,000	1,000,000	1,000,000 1,000,000 1,000,000 250,000 1,000,000 1,000,000 1,000,000 1,000,000
1, 739, 200 1, 204, 900 979, 200 2, 600, 000 1, 176, 890 131, 100	147, 400 328, 100	138, 100 229, 600 5, 000	58,000 138,000 1,032,100 605,900 42,200	211,800 674,125	361,400 85,600 917,575 299,500 833,300 833,500 774,800 508,500
882,755 04 478,514 49 478,514 49 478,514 69 231,634 20 318,1634 20 318,1634 20 318,1634 20 68,669 84	33,117,51	41,453 91 147,980 35 5,000 00	19, 286 18 33, 825 00 405, 666 00 250, 646 80 18, 665 24	77, 647 85 221, 844 56	162, 885 27 18, 591 04 289, 514 02 132, 847 02 133, 591 08 317, 252 08 294, 655 47 207, 789 28
1913 1893 1884 1882 1889 1892 1919 1921 1921	1913 1906	1896 1914 1901 1921	1887 1904 1892 1890 1907	1915 1886	1892 1920 1914 1912 1914 1914 1913 1913 1904
Aug., Mar., Sept., July, Nov., May, April, April, Mar., April, Mar.,	Aug., Sept.,	July, Mar., Mar., Aug.,	Feb., May, Sept., Nov., Mar.,	Oct., Feb.,	Mar., May, Feb., Aug., Dec., April, April, Jan., Mar., Oct.,
Indiana Savings and Loan Association Jan III Sobiests Building and Loan Association Koeciusto Building and Loan Fund Association Building and Loan Loan Fund Association Building and Loan Association of South Bend Workingmen's Building Savings Association. River Park Building, Savings and Loan Association. South Bend Rural Loan Association. Liberty Rural Loan and Savings Association. Guaranty Rural Loan and Savings Association.	Knox Building, Loan and Savings Asso. Perpetual Building and Loan Association	The Carlisle Building, Savings and Loan Association. Sulliders Savings and Loan Association. Sullivan County Loan Association. Home Building and Loan Association. Tippecance County	Clarks Hill Building, Savings and Loan Association. Home Building, Loan Fund and Savings Association. Citizens Building and Loan Association. Star City Building and Loan Association. Stockwell Building and Loan Association.	Home Savings and Loan Association. Tipton Building and Loan Association. Vanderburgh County	Central Trust and Savings Company Parmers Building and Loan Association Fidelity Savings and Loan Association Howell Building and Loan Association Lamaseo Building and Loan Association. North Side Savings and Loan Association. Permanent Loan and Savings Association. Security Savings and Loan Association. Centify Savings and Loan Association. Union Building and Loan Association. West Side Building and Loan Association.
South Bend	Knox North Judson	Cartisle	Clarks Hill. Dayton. Lafayette. Stockwell.	Tipton	Evansville

^{*}Liquidating.

LIST OF BUILDING AND LOAN ASSOCIATIONS BY COUNTIES—Continued

Capitalization	\$250,000 500,000 1,000,000 1,000,000 2,000,000 500,000	2, 900, 900 1, 100, 900 1, 100	1,000,000	300,000 500,000 200,000 90,000 400,000
Stock in Force	\$186,300 33,500 924,375 591,050 1,731,300 37,500	2, 017, 800 991, 705 991, 705 991, 706 767, 700 767, 700 767, 700 767, 800 11, 488, 100 907, 800 517, 800 11, 775, 650 11,	487,950	136, 500 478, 700 131, 800 26, 600 95, 400
Assets	\$91,006 43 14,474 75 400,055 35 400,055 35 746,34 746,34 6,012 55	1,085,089 44 412,682 103 412,682 103 412,682 103 136,182 177 136,182 176 12,382,265 91 12,382,265 91 1723,283 453 1723,283 143 1723,283 143 1723,283 143 1723,283 143 1723,283 143 1724,283 143 1734,274 173 174,274 174 174,274 174 174,2	47,046 90	75,005 16 212,697 76 57,992 23 13,139 50 36,600 00
Date	Mar., 1892 Mar., 1921 Feb., 1893 Jan., 1887 Sept., 1909 Oct., 1902 Aug., 1920	April, 1903 April, 1903 Dec., 1915 Ang., 1889 April, 1890 April, 1896 April, 1896 April, 1993 April, 1923 July, 1895 July, 1895 April, 1923 April, 1923 April, 1929 April, 1929 April, 1939 April, 1939 April, 1930 Peb., 1900	Feb., 1920	July, 1917 Feb., 1896 Mar. 1904 Mar., 1894 Jan., 1899
NAMB	Cayuga Home Savings and Loan Association. Cayuga Home Savings and Loan Association. Clinton Building and Loan Association. Clinton Building and Loan Company, No. 2. Wabash Building and Loan Company. Dana Savings and Loan Company. St. Rernice Building Loan and Savings Association. Vigo County	Central Loan Association Certral Loan Building Loan Association Citizens Savings and Loan Association Cottage Building and Savings Association Cottage Building and Savings Association Ford Harrison Savings Association Ford Harrison Savings Association Ford Harrison Savings Association Merchanits Loan and Building Association Merchanits Building, Loan and Savings Association Phoenix Building, Loan and Savings Association Ford Harrison Savings Association Ford Marrison Savings Association Ford Marrison Savings Association The Union Savings Association Vigo Country Loan and Savings Association Vigo Tour Association Vigo Country Loan and Savings Association Vigo Tour Association Vigo Country Loan and Savings Loan Association West Terre Hatte Savings Loan and Building Association West Terre Hatte Savings Loan and Building Association	Wabash County Home Building and Loan Association. Warrick County	Boonville Building and Loan Association Franklin Loan and Savings Association Warriek Loan and Savings Association Eiberfeld Building, Loan and Savings Association. Newburg Building, Loan and Savings Association, No. 2.
Location	Cayuga. Clinton. Dana. St. Bernice.	Terre Haute	Wabash	Boonville

	300,000		1,000,000		1,000,000 2,500,000 3,000,000	200	100,000	200	1,000,000	\$354,275,000	
_	109,000 57,525		49,800		66, 100 1, 964, 200 2, 508, 250 300, 000		45,400 66,100 125,100		230, 900	\$253,313,607	
	85,035 87 41,273 18		17,560 18 141,842 06		44, 157 81 491, 167 55 543, 625 20 84, 033 83		22,485 00 34,335 44 59,982 45		105,121 64	\$116,545,165 40	
_	Dec., 1886 Mar., 1887		Mar., 1909 Aug., 1891		Oct., 1893 July, 1889 Sept., 1887 April, 1894		Mar., 1899 Jan., 1905 Aug., 1899		Oct., 1890		
Warren County	Warren County Building, Loan Fund and Sayings Association. West Lebanon Building, Loan Fund and Sayings Association.	Washington County	Citizens Building and Loan Association. The Salem Building, Loan Fund and Savings Association.	Wayne County	"The Wayne International Building and Loan Association. The Peoples Home and Savings Association. The Richmond Loan and Savings Association. West End Building and Loan Association.	White County	Home Perpetual Building and Loan Association. The Perpetual Building and Loan Association. Peoples Building Association.	Wells County	The I	Total	
	Williamsport		Campbellsburg		Cambridge City		Brookston. Chalmers. Monticello.		Bluffton		* Liquidating.

REPORT OF LOAN AND CREDIT DEPARTMENT

CHARLES W. CAMP, Bank Commissioner. ELMER JOHNSON, Loan and Credit Clerk.

RECEIPTS

License	fees	••	• • •	• • • •	• • • •	• • • • •	• • • • •				 	\$26,950	00
							DIS	BURSE	MENTS	;			
Salaries	and	l e	хре	nses			• • • • • •				 	2,388	34
	NTot			4									

.....\$24,561 66 LIST OF LICENSEES AS OF SEPTEMBER 30, 1921 American Security Company, Crawfordsville. American Security Company, Brazil. Aufderheide, J. H., as Fort Wayne Loan Company, Fort Wayne. Aufderheide, J. H., as Fort Wayne Loan Company, Auburn. Aufderheide, J. H., as Indiana Loan Company, Elwood. Aufderheide, J. H., as Indiana Loan Company, New Castle. Aufderheide, J. H., as State Loan Company, Indianapolis. Aufderheide, J. H., as Indiana Loan Company, Anderson. Aufderheide, J. H., as Richmond Loan Company, Richmond. Aufderheide, J. H., as Terre Haute Loan Company, Terre Haute. Aufderheide, J. H., as Richmond Loan Company, Connersville. Aufderheide, J. H., as State Loan Company, Brazil. American Loan Company, Terre Haute. American Loan Company, Seymour. American Loan Company, Franklin. American Loan Company, Columbus. American Loan Company, Indianapolis. American Security Company, Connersville. American Security Company, Frankfort. American Security Company, Seymour. American Security Company, Noblesville. American Security Company, New Albany. American Security Company, Shelbyville. American Security Company, Wabash. Automobile Funding Company, Indianapolis. Alexandria Loan Company, Alexandria. American Security Company, Bloomington, American Security Company, Elwood. American Security Company, Columbus. American Security Company, Jeffersonville. American Security Company, New Castle. A. B. & C. Loan Company, Walter L. Miller, Crawfordsville. American Security Company, Marion. American Security Company, Peru. American Security Company, Goshen. American Security Company, Rushville. Arcadia Loan & Investment Company, Arcadia. American Security Company, Hartford City. Albe & Pool, Valparaiso. American Security Company, Kendallville.

Burch, Woll & Moss, as Fidelity Loan Company, Indianapolis. Burch, Woll & Moss, as American Loan Company, Princeton. Burch, Woll & Moss, as American Loan Company, Evansville.

Baum, Lewis, Indianapolis.

Baum, Joseph, as Indiana Loan Company, Fort Wayne.

Burton Loan & Jewelry Company, Indianapolis.

Barton, Nora, Frankfort.

Baldwin, Hallie R., Rushville.

Bremen, I., Indianapolis.

Business Men's Finance Association, Richmond.

Byrum, C. P., Loan & Investment Company, Kokomo.

Brazil Loan Company, Brazil.

Blair, W. H., Elwood.

Baugh, L. W., Company, Lafayette.

Baugh, L. W., Company, Monticello.

Baber, Weisell, as Central Loan Company, Peru.

Baugh, L. W., Company, Delphi.

Chapman, D. F., Terre Haute.

City Loan Office, Indianapolis.

Central Finance Company, Columbus.

Clinton Finance Company, Columbus.

Crescent Loan & Investment Company, Evansville.

Connersville Remedial Loan Association, Connersville.

Central Loan Company, Tipton.

Central Loan Company, Frankfort.

Central Loan Company, Kokomo.

Central Loan & Investment Company, Logansport.

Clupper Loan Company, Marion.

Citizens Remedial Loan Association, Muncie.

Clapsaddle, Andrew J., Windfall.

Capitol Loan Company, Indianapolis.

Capitol Loan Company, Franklin.

Capitol Loan Company, Frankfort.

Capitol Loan Company, Lebanon.

Capitol Loan Company, Martinsville.

Capitol Loan Company, Noblesville. Capitol Loan Company, Columbus.

Capitol Loan Company, Seymour.

Capitol Loan Company, Rushville.

Capitol Loan Company, Shelbyville,

Capitol Loan Company, Greensburg.

Citizens Loan Company, Wabash,

Custer, Harry B., Richmond.

Celtic Loan Company of Frankfort, Frankfort.

Citizens Union Loan Company, Laporte.

Duncan, Peter O., Noblesville.

Drozdowitz, Michael & Sons, Indianapolis.

Davidson Loan & Realty Company, Marion.

Davis, Alfred N., as Davis Loan & Jewelry Company, Muncie.

Dorfman, Sam, as U. S. Loan Office, Indianapolis.

Elkhart Commercial & Finance Corporation, Elkhart.

First Security Company, Union City.

Frank, Louis, South Bend.

Farm Land Investment Company, Boonville.

Farmers Loan Company, Danville.

Fogel, Louis, Indianapolis.

Finkhousen, C. C., Decatur.

Greene County Loan Company, Claude H. & W. Paul Stratton, Linton.

Grimmer, Harry P., Hammond.

Goodwill Loan & Investment Company, Indianapolis.

Goldman, Moses, Evansville.

Hancock, E. G., as Model Loan Company, Indianapolis.
Howard Loan Company, Kokomo.
Homsher, John F., Columbus.
Hawkins, D. P., as Indiana Loan Company, Hartford City.
Hawkins, D. P., as Indiana Loan Company, Muncie.
Hawkins, D. P., as Indiana Loan Company, Lafayette.
Hopkins, Arthur H., Rensselaer.
Horne, Norris & Horne, Anderson.
Home Loan & Savings Company, Portland.
Horowitz, Morris, as Bloom Loan Office, Indianapolis.
Huntington Securities Company, Huntington.
Hammond Loan Association, Hammond.
Hawkins Mortgage Company, Portland.

Indiana Collateral Loan Company, Indianapolis.
Indiana Finance Company, Elkhart.
Indianapolis Company, Indianapolis.
Indianapolis Public Welfare Loan Association, Indianapolis.
Interstate Collateral Loan Company, Indianapolis.
Indiana Loan Company, Terre Haute.
Indiana Loan Company, Greencastle.
Indorf, Charles, Muncie.

Jefferson Loan Company, New Albany.
Jefferson Loan Company, Madison.
Jefferson Loan Company, Versailles.
Jones, Jesse L., as Peoples Loan Company, Anderson.
Judy, John F., Judyville (Fountain Co.).
Judy, John F., Judyville (Warren Co.).

Knox County Real Estate & Loan Company, Vincennes. Kaiser, John, Wabash. Keim, J. H., & Co., Marion. Kokomo Investment & Loan Company, Kokomo. Kokomo Remedial Loan Association, Kokomo. Kitch, C. S., Company, Fort Wayne.

Leavell & Bates, Tipton.

Legal Loan Company, Delphi.

Legal Loan Company, Lafayette.

Legal Loan Company, Monticello.

Legal Loan Company, Kokomo.

Legal Loan Company, Logansport.

Legal Loan Company, Winamac.

Legal Loan Company, Logansport.

Legal Loan Company, Marion.

Lesser, Charles J., Hammond.

Logansport Remedial Loan Association, Logansport.

Lafayette Remedial Loan Association, Lafayette.

Liberal Loan Society, Bluffton.

Mechanics Finance Association, Evansville.
Monks, Edgar L., Winchester.
Meek, Jethro C., Greensburg.
Morrison, Corydon W., Greenfield.
Marion Loan Company, Marion.
Marion Loan Company, Wabash.
Miami Loan Company, Connersville.
Miami Loan Company, Peru.
Medias, Charles, Indianapolis.
Madison Remedial Loan Association, Ander cr.
Mantel, E. & Sons, Indianapolis.

Merriman, Mayme, as Frankfort Finance Company, Frankfort. Madison County Finance Company, Madison.

National Loan Company, O. W. Storer, Indianapolis. New Castle Loan Company, New Castle. New Castle Remedial Loan Association of New Castle,

Onkin, Ben, Terre Haute.
O'Brien, Michael, Bedford.
Osterday, Henry W., Mulberry.
O'Brien, John D., Marion.
Olshewitz, Mora, Indianapolis.
Orange County Security Company, Paoli.

Peoples Loan Company, Shelbyville.

Peoples Loan Company, Greensburg.
Palmer, Alex, New Albany.
Prudential Loan Company, Anderson.
Princeton Finance Company, Princeton.
Plymouth Finance Company, Plymouth.
Peoples Collateral Loan Company, Fort Wayne.
Peoples Finance Company, Fort Wayne.
Pursel, S. R., Greencastle.
Prudential Loan & Investment Company, Richmond.

Remedial Loan Society, Inc., Indianapolis.
Richards, J. E., as Indianapolis Finance Company, Indianapolis.
Richards, J. E., as Indiana Finance Company, South Bend.
Remedial System of Loaning, Evansville.
Rosenfeld, Morris, Terre Haute.
Reliable Loan Company, Elwood.
Rubin, Nathan M., Terre Haute.
Rose, A. G., Martinsville.
Rochester Discount Corporation, Rochester.

State Loan Company, Laporte.
Scudder, Omer, Columbus.
State Loan Company, South Bend.
Smith, Walter E., Rushville.
Swank, Wm. A., Crawfordsville.
Swank, Wm. A., Lebanon.
Swank, Wm. A., Veedersburg.
Security Mortgage Loan Company, Indianapolis.
Storer, O. W., as National Loan Company, Fort Wayne.
Storer, O. W., as Anderson Chattel Loan Company, Anderson.

Storer, O. W., as National Loan Company, Connersville. Sussman, Wolf, Indianapolis.

Storer, O. W., as Home Loan Company, Muncie. Storer, O. W., as State Loan Company, Marion.

Sterchi, Sam H., Terre Haute.

State Investment & Loan Company, Richmond.

Storer, O. W., as Home Loan Company, New Castle.

Storer, O. W., as National Loan Company, Terre Haute.

Storer, O. W., as National Loan Company, Kokomo.

Smith, D. T., as Indiana Loan Company, Gary.

Security Finance Company, Fort Wayne.

Security Loan Company, South Bend.

Security Loan Company, Warsaw.

Security Loan Company, Goshen.

Security Loan Company, Rockville.

Security Loan Company, Sullivan.

Security Loan Company, Terre Haute.

Security Loan Company, Clinton.
Security Loan Company, Plymouth.
Shank Investment Company, Fort Wayne.
Stratton, Claude H., as Fidelity Loan Company, Sullivan.
Security Loan Company, Knox.
Secttor, Isidor, Indianapolis.
Seligman, Jack, Indianapolis.
Swan, George F., Laporte.
Security Collateral Loan Company, Greensburg.

Tratther, Sam, Indianapolis. Tavel, Maurice, Indianapolis. Tavel, Abe, Indianapolis.

Unger, Sam J., South Bend,

Valley Loan Company, Huntington.

Wolf and Harlem, Mt. Vernon. Willis Dean Loan Company, Marion. Wood, William L., Rensselaer. Welfare Loan Society, Michigan City. Welfare Loan Society, Logansport. Welfare Loan Society, Terre Haute. Welfare Loan Society, Vincennes. Welfare Loan Society, Elkhart. Welfare Loan Society, Fort Wayne. Welfare Loan Society, South Bend. Welfare Loan Society, Anderson. Welfare Loan Society, Muncie. Welfare Loan Society, Richmond. Welfare Loan Society, Kokomo. Welfare Loan Society, Marion. Wood, F. M., as Farmers Loan Company, Lafayette. Wood, F. M., as Farmers Loan Company, Otterbein. Wood, F. M., as Farmers Loan Company, Williamsport. Wilson, Arthur N., Indianapolis. Welfare Loan Society, Lafavette. Welfare Loan Society, Indianapolis.

Zumpfe, W. A., as Provident Loan Association, South Bend. Zumpfe, L. H., as Provident Loan Association, Hammond. Zumpfe, A. C., as Provident Loan Association, Walparaiso. Zumpfe, A. C., as Provident Loan Association, Michigan City. Zumpfe, A. C., as Provident Loan Association, Elkhart, Zimmerman, W. D., Princeton.

REPORT OF THE DEPARTMENT OF INSURANCE

THOMAS S. McMURRAY, Jr., Commissioner

HISTORY

The history of the Insurance Department of Indiana is one of evolution. Very early statutes required insurance companies to make certain filings with and secure the approval of the Auditor of State before engaging in business within the state. In 1865, an act was passed by the legislature, which required insurance companies from other states to file semi-annual statements with the auditor, and also required insurance agents to obtain a semi-annual certificate of authority before doing business. The same act authorized the collection of a fee of five dollars \$5.00) for examining the statement, and a fee of two dollars (\$2.00) for issuing each certificate of authority. In 1873 a law became effective requiring all insurance companies of other states to pay a tax of three per cent (3%) on the gross premiums received, less the amount of losses actually paid, within the state. This law, with some unimportant amendments, is effective at the present time.

As insurance business in the state developed and increased in volume, the Auditor of State came to be recognized as ex-officio commissioner of insurance, and charged with the duty of supervising insurance companies operating in the state. To carry out this responsibility, the auditor was clothed with power to make examination of the books and affairs of the companies operating in the state, and was authorized to appoint a deputy, actuary, examiners, and clerks to assist in the supervision.

On September 30, 1920, a law became effective creating a separate insurance department, at the head of which is the commissioner of insurance, appointed by the Governor. The same act transferred to the commissioner of insurance all the rights, powers and duties affecting the business of insurance, which had been previously conferred on the Auditor of State.

RECOMMENDATIONS

As at present constituted, the insurance laws of Indiana are voluminous and in many respects obsolete. They are difficult of interpretation and unsatisfactory in application. It is strongly recommended that a codification of the insurance laws be made at the earliest possible date.

COLLECTION OF FEES AND TAXES

During the fiscal year ending September 30, 1921, the Department of Insurance has collected taxes and fees amounting to \$1,333,142.04 (the collections for the preceding fiscal year ending September 30, 1920, were \$1,266,820.35), an increase of \$66,321.69.

The following table shows the receipts of taxes and fees from various classes of companies.

FEES AND TAXES COLLECTED BY THE INSURANCE DEPARTMENT FOR THE FISCAL YEAR ENDING SEPTEMBER 30, 1921

(Certified to Treasurer of State)

INSURANCE TAX

THE COMMENCE ALLE			
Fire companies\$	275,417 8	38	
Life companies	680,764	18	
Miscellaneous companies	185,091 2	26	
		- \$1,141,272	82
Fire marshal tax (all fire companies)		68,555	22
INSURANCE FEES			
Fire companies	\$54,864 (00	
Life companies	19,032	00	
Assessment companies	1,619	00	
Miscellaneous companies	17,151	00	
Admission and annual fees (all companies)	27,874	40	
Miscellaneous fees (all companies)	698 3	38	
		- 121,238	78
EXAMINATION FEES			
Examiners' per diem	\$1,680 1	14	
Examiners' expenses	395	08	
		2,075	22
Total		\$1,333,142	04

PERSONNEL

On September 30, 1921, the Department of Insurance consisted of the commissioner and a deputy commissioner, actuary, securities clerk and ten examiners, clerks and assistants, making a total personnel of fourteen.

The examining staff, four in number, was chiefly employed in the work of examining companies at their offices, the duties of the remainder being chiefly at the office of the department in the state capital.

The following table shows the name of each person receiving salary from the department during the fiscal year, the period of service during such year, and the total amount of salary paid.

PERIOD OF CONNECTION

T. S. McMurray, Jr., Commissioner, April 1, 1921-September 30, 1921	\$2,499	97
Miles Scheaffer, Commissioner, October 1, 1920-March 31, 1921	1,999	98
John D. Williams, Examiner, October 1, 1920-May 4, 1921	1,314	52
Stuart A. Coulter, Deputy Commissioner, October 1, 1920-September 30, 1921.	3,000	00
Carl Wilde, Deputy Commissioner, October 1, 1920-May 1, 1921	1,750	00
Arthur W. Larsen, Actuary, October 1, 1920-June 15, 1921	2,000	
Charles W. Legeman, Examiner, October 1, 1920-September 30, 1921	2,499	
Arnold W. Epmeier, Securities Clerk, October 1, 1920-September 30, 1921	2,499	
Charles A. Woerner, Rate Supervisor, October 1, 1920-September 30, 1921	2,083	
Iva Quinn, Tax Clerk, October 1, 1920-September 30, 1921	1,550	
Milton K. Alexander, Examiner, May 3, 1921-September 30, 1921	1,225	
Burl W. Balay, Examiner, June 13, 1921-September 30, 1921	749	
C. O. Van Horn, Examiner, July 23, 1921-September 30, 1921	260	
Elder A. Porter, Actuary, August 15, 1921-September 30, 1921	387	
D. J. Sullivan, License Clerk, October 1, 1920-September 30, 1921	1,200	
Elma Jorgensen, Stenographer, October 1, 1920-May 15, 1921	750	
Lois Leonard, Stenographer, October 1, 1920-September 30, 1921	999	
Alice Kruge, Stenographer, October 1, 1920-September 30, 1921	1,113	
Kathryn Roland, Clerk, October 1, 1920-March 31, 1921	390	
Kathleen B. Keefe, Stenographer, August 18, 1921-September 30, 1921	181	45

\$28,455 65

EXPENDITURES OF DEPARTMENT

Expenditures for salaries have already been itemized. The following table shows appropriations available for salaries and expense, reimbursements credited thereto, and the various kinds of expenses charged thereto, as well as the balance reverting to the general fund for the fiscal year ending September 30, 1921.

October 1, 1920—Appropriation	.\$35,000	00
April 1, 1921—Special appropriation	. 25,000	00
June 30, 1921—Reimbursement salaries and expense	. 313	34
September 30, 1921—Reimbursement salaries and expense	. 47	51
	\$60,360	85
Salaries\$28,455 65		
Telephone and telegraph 283 65		
Postage and express		
Other office expense		
Traveling expense		
Printing and stationery 5,036 28		
Special fees and expense		
	\$39,564	09
Balance reverting to general fund	\$20,796	76
Special appropriation for filing cases	\$1,500	00

EXAMINATIONS

The greater number of examinations were of Indiana insurance organizations. However, from time to time, the department co-operates with the insurance departments of other states in the examination of companies doing business in Indiana, but not domiciled therein.

EXAMINATIONS MADE OF INDIANA INSURANCE ORGANIZATIONS DURING FISCAL YEAR ENDING SEPTEMBER 30, 1921

	Business Men's Indemnity Association	Indianapolis,	Indiana
	Century Life Insurance Company	Indianapolis,	Indiana
	Conservative Life Insurance Company	South Bend,	Indiana
	Fidelity Mutual Fire Insurance Company	Indianapolis,	Indiana
	Fort Wayne Mercantile Accident Association	Fort Wayne,	Indiana
	Grain Dealers National Mutual Fire Insurance Co	Indianapolis,	Indiana
	Indiana Liberty Mutual Insurance Company	Indianapolis,	Indiana
	Indiana Lumbermen's Mutual Insurance Co	Indianapolis,	Indiana
1	*Indiana National Life Insurance Company	Indianapolis,	Indiana
	Jeffersonville Mutual Protective Insurance Co	.Jeffersonville,	Indiańa
	Lafayette Life Insurance Company	Lafayette,	Indiana
	Lion Life Insurance Company	. East Chicago,	Indiana
	Medical Protective Company	Fort Wayne,	Indiana
	National Automobile Insurance Association	Indianapolis,	Indiana
	National Mercantile Mutual Fire Insurance Co	. New Albany,	Indiana
	Police and Firemen's Insurance Association	Indianapolis,	Indiana
	Rex Health and Accident Insurance Co	Indianapolis,	Indiana

EXAMINATIONS MADE OF INSURANCE ORGANIZATIONS OUTSIDE OF INDIANA DURING FISCAL YEAR ENDING SEPTEMBER, 30, 1921

Canners' Exchange Subscribers	
Federal Surety Company	Davenport, Iowa
Prudential Insurance Company of America	Newark, New Jersey
Wholesale Grocery Subscribers	

^{*}Dealt wholly with affairs of Anchor Life Insurance Company, reinsured with the Indiana National Life Insurance Company.

RECAPITULATION FOR THE YEAR 1920
Indiana Companies.

Total Insurance In Force	\$633,728,661 00 78,089,983 00 51,783,695 00	\$763,602,339 00
Surplus	\$3,609,236 09 \$44,985 84 649,765 41 2,287,634 93 205,164 46 173,922 38	\$7,770,709 11
Capital Stock	\$2,356,073 00 1,100,000 00 1,190,807 76	\$4,646,880 76
Liabilities	\$54,773,679,72 152,359,45 6,968,867 61 1,582,481 87 1,514,943 81 384,710 55 99,703 55	\$65,546,334 19
Admitted Assets	\$60,738,988 81 2,736,388 28 8,138,137 6 8,113,135 15 3,423,055 94 5,802,578 74 5,802,578 74 273,625 92	\$80,847,491 31
Disbursements	\$15,024,264.76 1,464,894.54 1,447,805.00 9,430,047.55 1,445,558.13 1,557,731.34 078,506.12	\$31,216,388 04
Income	\$22,339,060,01 1,985,483,54 1,518,568,7 11,921,454,94 1,986,950,67 2,669,810,88 1,037,775,34 1,334,854,00	\$43,543,958 25
	Life. Fraternals Assessment Miscellaneous Fre (Stock). Fre (Mutal). Regiptod Mutal. Liternational Lloyds.	Totals

Companies of Other States Authorized to Operate in Indiana.

\$34,043,569,407 56	381,037	\$41,492,450,311 25	
\$262,968,584 43	58,909,104 49 16,876,138 44 219,729,619 95 8,393,532 37	\$566,876,979 68	
\$37,856,492 76	58,391,531 62 135,032,567 50	\$231,280,591 88	
327, 206	3, 040, 720 50 313, 259, 529 81 20, 057, 380 26 593, 594, 155 05 5, 872, 222 26	\$7,578,227,401 03	
152, 283	9, 412, 401, 48 430, 560, 165 92 36, 933, 518 70 948, 356, 342 50 14, 265, 754 63	\$8,614,227,109 08	
988, 656	298, 972, 795 57 298, 972, 795 57 23, 526, 979 15 558, 754, 862 66 13, 453, 780 83	\$2,857,779,965 25 \$2,177,783,476 51 \$8,614,227,109 08 \$7,578,227,401 03	
038, 330	100, 599, 386 51 372, 601, 412, 85 29, 243, 984, 05 654, 737, 414, 77 15, 396, 520, 24	\$2,857,779,965 25	
Life.	A seessment Miscellaneous Fire (Mutual) Fire (Stock) Reciprocals	Totals.	

Foreign Companies Authorized to Operate in Indiana.

RECAPITULATION FOR THE YEAR 1920-Continued,

Indiana Companies

	Losses Paid	\$1,242,321 58 218,861 16 559,348 02 146,337 64 95,088 91 17,772 28 490,441 73 2,187 85	\$2,862,938 33	\$8, 272, 210, 56 1, 915, 249, 27 2, 778, 536, 26 5, 500, 052, 91 5, 867, 114, 77 5, 867, 77 5, 8	\$90,431 93 1,121,885 69
BUSINESS IN INDIANA	Premiums Received	\$6,168,633 06 400,697 12 1,365,296 17 481,467 28 230,684 30 8415 15 8415 15 8,4576 13 8,4576 13 8,4576 13	\$9,747,537 30	\$25,196,845 07 3,479,919 71 631,272 40 8,046,312 52 8,046,312 83 11,102,605 83 11,741,671 49 459,775 49	\$223,774 80 2,202,142 37
D E	Insurance In Force	\$240,095,467 00 15,152,276 00 48,651,873 00 Marine Fre Marine Fre Fre Fre	\$303, 899, 616 00	\$338.806,023.09 190,956,628.20 26,739,859.90 Marine Fire Marine Fire \$1,056,502,511.19	Marine Fire
		Life Assessment Assessment Fire (Stock). Fire (Mutual) Reciprocals.	Totals	Companies of Other States Authorizes to Operate in Indiana. Fraternals	File

SECURITIES DEPARTMENT

The following statement shows the amount of securities deposited with the securities department September 30, 1921. It will be noted that most of the securities deposited were owned by the seventeen Indiana Legal Reserve Life Insurance Companies, which all do business under the Compulsory Deposit Law, and must maintain on deposit with this department in approved securities, the net cash value of all outstanding policies.

American Central Life Insurance Company	97 E96 741	05
Central States Life Insurance Company	274.387	
Century Life Insurance Company	278,350	
Conservative Life Insurance Company.	416,820	
Crescent Life Insurance Company	125,214	
Farmers National Life Insurance Company.	900.313	
Gary National Life Insurance Company	112,265	
Indiana National Life Insurance Company.	1,985,679	
Indiana National Life Insurance Company		
Lafayette Life Insurance Company	2,161,568	
Lincoln National Life Insurance Company.	2,213,648	
Northern States Life Insurance Company		
	947,125	
Peoples Life Insurance Company	1,762,818	
Public Savings Insurance Company	1,349,475	
Reserve Loan Life Insurance Company	4,947,386	
Security Life Insurance Company	11,000	
State Life Insurance Company		
Western Reserve Life Insurance Company	406,259	
Columbian Insurance Company	247,547	
Grain Dealers National Mutual Fire Insurance Co	200,000	
Merchants Fire Insurance Company	25,025	
Meridian Mutual Fire Insurance Co	12,250	
Sterling Fire Insurance Company	467,330	
Virginia Fire and Marine Insurance Company	25,000	
American Liability Company of Ohio	100,000	
Bankers Mutual Automobile Insurance Company	2,500	
Business Men's Indemnity Association	2,000	00
Continental Casualty Company	250,000	
Empire Health and Accident Insurance Company	36,950	
Federal Savings and Insurance Company	5,000	00
Growers' Automobile Insurance Association	27,000	00
Home Mutual Live Stock Insurance Company	500	00
The Hoosier Casualty Company	122,364	00
Inter-Ocean Casualty Company	150,000	00
Medical Protective Company	100,000	00
Midamerican Mutual Casualty Company	25,000	00
Mid-Western Life Insurance Company	510	00
Standard Live Stock Insurance Company	271,750	00
State Factory Mutual Insurance Company	25,000	00
Supreme Tribe of Ben Hur	25,000	00

....\$60,066,732 58

RATE SUPERVISION—FIRE COMPANIES

Under the act of March 13, 1919, the commissioner of insurance supervises the operation of rating bureaus organized pursuant to that law. At the close of the fiscal year there were 153 stock fire companies doing a general fire insurance business, over which this department has

supervision, and ten rating bureaus authorized to make and establish rates subject to approval by this department.

The following rate making bureaus are authorized to operate in Indiana:

Indiana Inspection Bureau.

Indiana Mill and Elevator Rating Bureau.

Lumber Insurance Bureau.

Interinsurers Rating Bureau.

- *Northwestern Automobile Filing Bureau of Indiana.
- *Hoosier Casualty Company Rating Bureau.
- *Indiana Union Rating Bureau.
- *Mutual Inspection Bureau.
- *United Automobile Rating Bureau.
- †Ohio Farmers Rate Making Bureau.

During the year a number of complaints against rules and rates were filed in this department, upon which hearings were held, and satisfactory adjustments had.

SUMMARY-1920 BUSINESS

STOCK FIRE COMPANIES IN INDIANA

Business Written	Premiums	Losses	Expenses
\$2,013,120,914	\$16,161,228	\$8,019,071	\$6,531,666
Average rate per \$100	· · · · · · · · · · · · · · · · · · ·		\$0.802
Ratio losses to premiums			49.6%
Ratio expenses to premiums			40.4%

COMPANIES LICENSED IN INDIANA

The number of companies licensed shows a marked increase for the year. The figures are as follows:

Licensed on October 1, 1920. 5: Organized in Indiana during year. Companies other than of Indiana licensed.	13
Companies withdrawing from state, etc	88 20
Licensed on September 30, 1921	68

The following tabulation shows the number of companies of different classes operating in Indiana on September 30, 1921.

COMPANIES ORGANIZED UNDER LAWS OF INDIANA

Stock legal reserve life	14
Mutual legal reserve life	3
Fraternal societies	4
Assessment life, health and accident	19
Miscellaneous	
Stock fire	3
Mutual fire	14
Reciprocals or inter-insurers	
Lloyds	1
-	
Total Indiana organizations	77

^{*}Rating bureaus maintained by individual companies.

[†]Farm property only.

YEAR BOOK

OTHER COMPANIES

Stock legal reserve life 5
Mutual legal reserve life 2
Fraternal societies 6
Assessment life, health and accident 1
Miscellaneous—Stock, mutual and foreign 9
Stock fire companies
Mutual fire companies 3
Foreign fire companies 4
Reciprocals 2
Total other companies 49
Total all organizations. 56

REPORT OF THE BOARD OF PUBLIC PRINTING

MEMBERS OF BOARD

WARREN T. McCRAY, Governor.
ED JACKSON, Secretary of State.
WM. G. OLIVER, Auditor of State.
WILL H. ADAMS, Reporter Supreme Court.
GEORGE H. HEALEY, Clerk.
WALTER L. BURNS, Assistant Clerk.

Under the provisions of an act of the General Assembly, approved March 8, 1915, the Board of Public Printing lets the contract for all state printing, binding and stationery every two years, dating from December 2, 1915. This law was amended by the General Assembly of 1921, which was approved on March 10th. This report, however, covers a period operating under the law of 1915 and under the contracts let for the period from December 2, 1919, to December 1, 1921.

The Board of Public Printing meets once each month to pass upon the invoices, which have previously been audited by the clerk of the board. All requisitions for printing paid for by the state are made to the board of printing and sent by the clerk to the proper contractor and audited under the contract upon completion. All printing, binding, stationery and supplies authorized to be paid for out of the State Printing Fund are charged against the annual appropriation of \$60,000, while all institutional printing, binding, stationery and supplies are charged to the printing account of the institution.

The Supreme and Appellate Court reports, both new and reprints, are ordered through the clerk of the board.

Following is a report of the receipts and disbursements of this board for the fiscal year ending September 30, 1921:

PRINTING FUND EXPENDITURES

Appropriation for salaries. \$2,488 41 Salary of Clerk. 1,667 53 Salary of Messenger. 503 23 Not drawn by Clerk and reverting. 123 42		
Section of the Contract of the	\$4,782	59
OFFICE EXPENSE		
Appropriation available	\$300	00
Disbursements	147	43
Balance reverting to the General Fund	\$152	27
PRINTING FUND RECEIPTS		
Appropriation available October 1, 1920	\$60,000	00
Balance unexpended and available October 1, 1920		
Total halance and appropriation	\$90.817	06

DISBURSEMENTS

State requisitions (Auditor's ledger)	\$35,594	71
Balance shown by board cash book Outstanding voucher September 30, 1919		
Balance shown by Auditor's cash book and reverting September 30, 1921	\$55,255	97
DETAILED DISBURSEMENTS		
Auditor of State	\$1,522	
Attorney-General Advertising (legal)	1,935 151	
Board of Accounts	1,843	
Board of State Charities (bulletins)	3,512	
Board of Medical Registration and Examination	284	
Board of Public Printing	791	97
Court, Appellate Court, Supreme	550 511	
Clerk Supreme and Appellate Courts	959	
Court Reports (reprints)	3,091	
Horticultural Society Industrial Aid for the Blind (report)	1,316 137	
House Journal (special session)	930	
Senate Journal (special session)	756 676	
Reporter Supreme and Appellate Courts	226	
Secretary of State	2,702	
Superintendent of Public Instruction	7,223 847	
Superintendent of Building and Grounds	115	
State Veterinarian Treasurer of State	391 852	
State Board of Tax Commissioners.	1,141	
The Governor	667 37	
Lieutenant Governor Miscellaneous expenditures	2,422	
	\$35,797	14
DISBURSEMENTS OF BOARDS AND INSTITUTIONS		
Board of Industrial Aid for the Blind	\$552	
Legislative Visiting Committee	478 1,306	
Department of Insurance	4,760	
Coal and Food Commission	1,194	
School for Feeble-Minded Youth	167 286	
Board of Election Commissioners (1920)	15,919	
Board of Election Commissioners (Constitutional Amendment, 1921)	7,187 134	
Food and Drug Commission (oil)	380	
Board of Charities		
Board of Education	5,824 585	
Board of Embalmers	130	
Board of Health	12,429 6.132	
Industrial Board	270	
	210	

	•	
Teachers' Retirement Fund	674	98
Conservation Commission	10,327	73
Employment Commission	110	22
Highway Commission	9,336	13
Historical Commission	10,288	65
Public Library Commission	1,061	56
Public Service Commission	5,482	28
Indiana University	14,478	86
Robert W. Long Hospital	1,798	
Indiana University School of Medicine	2,033	
State Normal School	5,041	
Indiana Boys' School	319	
Indiana Girls' School	1,151	
		-4
State Penal Farm	399	
Woman's Prison	360	
Indiana Reformatory	664	91
Legislative Printing, 1921 session—		
House\$11,152 10		
Senate 9,606 03		
	20,758	13
Central Insane Hospital	1,722	25
Eastern Insane Hospital	1,151	89
Northern Insane Hospital	1,076	23
Southern Insane Hospital	1,046	
Southeastern Insane Hospital.	1,200	
State Sanitarium	476	
School for the Blind	362	
School for the Deaf	22	
Village for Epileptics.		
	718	
Corn Growers' Association	267	
Dairy Association	241	
Live Stock Breeders' Association	185	
Automobile Department, Secretary of State	19,848	23
Executive Department	16,766	54
Board of Optometry	8	85
State Fire Marshal	1,731	25
Board of Tax Commissioners	3,652	62
Battle Flag Commission	30	57
Governor's Contingent Fund	1,382	40
Horticultural Society	99	15
Joint Purchasing Committee.	469	
Legislative Reference Bureau	894	
Adjutant General	2,850	
State Library	1,986	
Soldiers' and Sailors' Monument.	465	
Juvenile Probation Officer	148	
	750	
Board of Pharmacy		
Teachers' Training Board	1,196	
Securities Commission	909	
State Board of Attendance	89	
Educational Survey Commission	24	
Indiana World War Memorial Commission	75	
Board of Engineers	380	
Memorial Art Commission		80
Live Stock Sanitary Board	262	90
Grand Army of the Republic	605	38
Acts of the Legislature (special session, 1920)	7,325	44
Acts of the Legislature (regular session, 1921)	22,024	14
Academy of Science (reports for 1919 and 1920)	2,400	00
Legislative Visiting Committee	478	34

YEAR BOOK

COURT REPORTS AND REPRINTS

A Section 1 and 1		
Reprint Vol. 174, Supreme Court	\$275	00
1,200 Copies Vol. 66, Appellate Court Report	2,884	87
1,200 Copies Vol. 67, same	2,882	78
1,200 Copies Vol. 68, same	2,909	21
1,200 Copies Vol. 69, same	3,003	94
		_
	\$11,955	80
RECAPITULATION		
Printing for state departments	\$35,797	14
Printing for state institutions	238,680	45
Printing court reports	11,955	80
Total	\$286 433	29

REPORT OF THE STATE BOARD OF ELECTION COMMISSIONERS

MEMBERS OF THE BOARD

WARREN T. McCRAY, Governor, President of the Board. ALEX. G. CAVINS, Republican Member. WILLIAM W. SPENCER, Democratic Member.

DIRELLE CHANEY, Clerk of the Board. WALTER L. BURNS and ED. D. DONNELL, Assistant Clerks.

The State Board of Election Commissioners is composed of the Governor, who is ex-officio president of the board, and one republican and one democrat, who are appointed by the Governor upon the recommendation of the republican and democratic state chairmen.

The duty of having the election ballots printed and distributed devolves upon the board and is under the direct supervision of the clerk. In preparation for this work the clerk gathers through a force of clerks statistics on which to base the number of ballots. The clerk of the circuit court in each county makes an estimate of the number of voters in each precinct in his county and to this estimate the clerk of the board adds 25 per cent as required by law. Each circuit clerk also estimates the number of absent voters' ballots required for his county.

For the special constitutional amendment election held on September 6, 1921, there were printed 1,507,500 ballots. The voting machines could not be used in this election and the board felt the responsibility of furnishing sufficient ballots to care for the demand in any precinct. The use was somewhat below expectations, however, and there was a surplus to be destroyed in most counties. The printing was performed by the Fort Wayne Printing Company, state contractor. Following the custom the clerk of the board had an official watcher at each press during the printing of the ballots and these watchers supervised the packing and shipping of the ballots, and the chief watchers, one from each of the major parties, accompanied the ballots to Indianapolis and to the State House, where watchers were employed during the counting and packing of the ballots and their distribution to the circuit court clerks, who came for them, either in person or by properly authorized and authenticated deputy. The ballots were sealed, boxed, addressed and delivered to the express company in the presence of the clerk of each county, who gave a receipt for the ballots.

Under the law it is necessary for the clerks to make two trips for the ballots at general elections, the first trip being for the absent voters' ballots and the second for the supply for the election within the county. The State Board of Election Commissioners, however, advanced the date of the distribution and thus completed the work by having the clerks make only one trip for the ballots.

The ballots are counted, wrapped, sealed and boxed for shipment in the corridors of the State Capitol, and about forty men, consisting of clerks, counters, wrappers and watchmen are employed. The work was completed for the special election in approximately five days. Surplus ballots were then locked up and the watchmen discharged. Following the election the clerks of the various counties returned the unused absent voters' ballots and these were checked in by the clerk of the board of election commissioners and later burned, as were the surplus ballots which had been locked up in the State House until after the election.

EXPENSES CONSTITUTIONAL AMENDMENT ELECTION

George H. Healey, payroll No. 1.....

George H. Healey, expense trip to Fort Wayne.....

Wm. B. Burford, printing.

Time Di Duttora, primange		
Thornton-Levey Co., printing	36	05
Fort Wayne Printing Co., printing	16	45
Thos. M. Greenlee, ballot watcher, Fort Wayne	93	55
Horace F. Weakley, same	88	40
George H. Healey, payroll No. 2	120	00
Same, payroll No. 3	590	00
Same, payroll No. 4	259	00
Ed D. Donnell, services as assistant clerk	500	00
Robert E. Springsteen, stamps	30	00
Fort Wayne Printing Co., printing	7,079	85
Wm. B. Burford, printing	1	50
Wm. H. Sciscoe, burning ballots and counting	33	00
George H. Healey, miscellaneous expenses	9	95
Fred Dietz Co., boxes	141	00
Lilly Hardware Co., supplies	11	55
Fort Wayne Printing Co., supplies	1	71
American Rwy. Express Co., express on ballots	11	03
George J. Mayer Co., repairs to seals	10	50
U. S. Corrugated Fiber Box Co., boxes.	23	75
Fort Wayne Printing Co., printing	3,003	94
-		

Total state expense of Constitutional Amendment Election........\$12,319 23

GEORGE H. HEALEY, Clerk.

\$96 00

14 55 147 45

THE INDIANA BOARD OF AGRICULTURE

OFFICERS

President—Thomas Grant, Lowell.

Vice-President—S. W. Taylor, Boonville.

Secretary—I. Newt Brown, Franklin.

Treasurer—William M. Jones, Fairmount.

Superintendent—Forest Neal, State Fair Grounds.

Purchasing Agent—Robert G. Porter, Edinburg.

Publicity—Lannes McPhetridge, Indianapolis.

Bookkeeper—Miss Minnie Fisher, Indianapolis.

Stenographer to Secretary—Mrs. H. M. Boucher, Indianapolis.

MEMBERS

GOVERNOR WARREN T. McCRAY, Ex-officio member. DEAN J. H. SKINNER, Purdue University, Ex-officio member.

DEPARTMENT SUPERINTENDENTS OF STATE FAIR

Horses—Lin Wilson, Jonesboro.
Cattle—E. J. Barker, Thorntown.
Swine—Edgar E. Phillips, Walton.
Sheep—U. C. Brouse, Kendallville.
Agriculture—Charles L. Smith, Montpelier.
Horticulture—S. W. Taylor, Boonville.
Poultry—Mac M. Coffing, Covington.
Speed—G. R. Kemper, Columbus.
Fine Arts—John Isenbarger, North Manchester.
Mechanical—Harry M. Moberly, Shelbyville.
Concessions—Samuel J. Miller, Indianapolis.
Attractions—E. W. Pickhardt, Huntingburg.
Gate Admissions—Charles N. Lindley, Salem.
Parking and Fence Police—G. Y. Hepler, South Bend.
Coliseum and Grandstand—Joseph L. Barr, Bruceville.

REORGANIZATION OF THE BOARD

The year 1921 marked an epoch in the affairs of the Indiana Board of Agriculture. At the solicitation of the board members, the General Assembly passed a law which, in important ways changed the legal status of the board. The legislature of 1851 had granted a special charter to the Indiana State Board of Agriculture and it was under this charter that the board had operated and held in trust for the State of Indiana the deed to real estate and other property which had accumulated through the board's management of the Indiana State Fair. Under the law passed by the legislature of 1921, the board surrendered the

deed to the real estate and also turned over to the state all other property accumulated since 1851. This property had a value estimated by the State Board of Accounts and appraisers at \$1,600,647.32. As the state came into the fee simple of the property, under the law adopted in 1921 the state also assumed financial obligations of the board in the form of bonds to the amount of \$420.573.

In addition to this transfer of property from the charge of the board to the charge of the state, the board was authorized to continue the management of the property and of the state fair, and to account for this stewardship to the Auditor of State and the State Board of Accounts.

The law of 1921 further provided that the board of agriculture should revise its plan of electing its members to the extent of naming these members by congressional districts, instead of special agricultural districts which the board had created. The law of 1921 also authorized the Governor to appoint three members at large to the board, the Governor also to be an ex-officio member, the selection of other members to continue as formerly, the agricultural and district fair associations and live stock associations to nominate the members at the annual meeting of the board in January each year.

BUILDING PROGRAM EXPANSION

The year was of further importance to the board in that it was marked by the erection of the fifth unit of the permanent building program by the completion of the agricultural and horticultural building at a cost of \$55,150, and which was used during the week of the state fair. The building is of concrete, brick and steel, has 50,000 square feet of floor space, and is especially intended for the display of agricultural and horticultural products from Indiana farms. It is the hope of the board that from year to year displays of these products will be made by county organizations until each county is represented by a pretentious showing of what it yields from the soil, the orchards and vineyards of its farms.

Under the direction of the present board two buildings were completed in 1919—one the Women's Building, erected at a cost of \$121,000, and the Manufacturers' Building, which cost \$116,300. Previous to these building operations, the board under earlier management had erected the Coliseum and the brick horse barn. The completion of these units go far in meeting the needed housing of the state fair exhibits, but it is the ambition of the board further to expand this construction program until the State of Indiana has state fair housing facilities which will give it rank with other great state expositions.

During the year 1921, the board also constructed at a cost of \$14,808, a sewer system which connects the permanent buildings with the system of the city of Indianapolis. The system was much needed to improve the sanitary condition of grounds and buildings especially during the time of the state fair. The system is so planned that it may readily be extended to connect with buildings as they are erected in the future.

Another important improvement made by the board this year was a heating and ventilating system for the Manufacturers' Building, installed at a cost of \$26,549. This improvement was especially needed by the

Indianapolis Automobile Trade Association for its early spring exposition of motor cars.

The adaptability of the state fair's permanent buildings for other than fair purposes was shown this year. The Indianapolis Automobile Trade Association not only held its spring exposition in the building in March, but also during the state fair, as it has done for some years. During the week of October 8th the Manufacturers' Building was occupied by a very elaborate exposition of made-in-Indianapolis products. The enterprise was under the general direction of the manufacturers' committee of the Indianapolis Chamber of Commerce and displays were made by 383 of the city's largest industrial enterprises, the attendance by the public being about 140,000 for the six days and evenings.

During the week of October 8th the National Association of Purchasing Agents held its annual convention in Indianapolis, and on the evening of October 10th held one of its chief social functions in the Women's Building. A dinner was prepared in the cafeteria of the building and the main floor was used for entertaining the visitors to the number of about 2,500 from over the United States.

Throughout the year when it has not been occupied by large expositions, the Manufacturers' Building has been rented to Indianapolis dealers for the storage of automobiles. This rental has brought a substantial sum to the board's treasury. The rentals of this building for the various purposes during the year has yielded the board a return of about 10 per cent on the investment.

STATE FAIR OF 1921

The Indiana State Fair held the week of September 5th was the great achievement of the year by the board of agriculture. While the attendance by the public did not reach the total of a few former years, it was nevertheless one of the great Indiana fairs in point of paid admissions. In numerous ways it was the greatest and best exposition of the kind held by the board. This is especially true in the exhibits of cattle, swine and poultry, which were shown in larger numbers than in any former years, while other departments measured up at least to their old standards. A feature of the live stock shows which was emphasized was that for futurities in cattle, horses and swine. These contests brought many hundred young animals into the show arenas from over Indiana and not only went far to indicate the advancement that is being made in breeding, but was stimulating to ambitious breeders who came to the fair as spectators, firing them with an inspiration to improve their own herds at home.

There was a large increase in the exhibits in the machinery department and in the displays of fine arts and craftsmanship in the Women's Building. There was also marked increase in the interest on the part of farm boys in the boys' judging contest, while the girls' canning clubs of Indiana made a promising beginning of a display of conserved fruits and vegetables. The displays of soil, orchard and vineyard products, while a highly creditable one, was hindered by the general adverse crop conditions of the year in this state.

FINANCIAL STATEMENT

September 30, 1921

Liabilities

Assets Real estate and buildings.....\$2,000,000 00 Personal property 21,236 00 Accounts receivable 1.023 40 Indiana National Bank..... 65 07 State Savings and Trust Co..... 20,892 76 Interest, State Savings and Trust Co..... 724 96 Interest. State of Indiana 724 45 Salary, Secretary 1.200 00 Salary, Treasurer 666 68 Office salaries 2,704 26 Salary, Superintendent Grounds 600 00 Payroll, Superintendent Grounds..... 9.819 33 Payroll, carpenter 4,200 27 Hub of the universe..... 752 21 829 04 Premium list Agriculture and horticulture building..... 46,546 03 Office furniture 83 25 Freight, drayage and express..... 534 72 Telegrams 37 32 Repairs 2.574 23 Gasoline 1 15 Printing 982 18 Members, per diem..... 5,193 90 Purchasing Agent, per diem..... 227 58 Office supplies 55 30 Surgeon's services 4.00 Postage stamps 439 88 Court and legal fees. 8 00 Advertising 724 29 25 00 Membership fee (Am. Assn. Fairs)..... 1 75 Telephone rental Replacing returned checks..... 63 31 Supplies for fair..... 4,046 72 Coliseum and grand stand expense..... 2,308 70 18.209 67 Show expense 10,460 05 Attractions, cost and expense..... General Superintendent, Labor..... 179 86 3.368 60 Treasurer's payroll 1.719 50 Parking Police Police meal tickets redeemed..... 651 80 Merchants tickets redeemed..... 42 60 Baby contest 500 00 Electrical payroll 661 00 560 00 Constable payroll 891 74 Administration dining room..... Assistant to president..... 74 40 909 94 Girl's school Premiums and Expense, Speed Department 16,645 64 Premiums and Expense, Horse Department 11.466 75 Premiums and Expense, Cattle Department 14,522 94 Premiums and Expense, Sheep Department 5,695 00 Premiums and Expense, Swine Department 5,397 75 Premiums and Expense, Poultry Department 5,249 50 2,734 81 Premiums and Expense, Agriculture Department 2,028 60 Premiums and Expense, Hort, and Flowers Department.... Premiums and Expense, Art Department 5,648 68

	Assets	Liabilitie	8
Investments		\$1,615,590	14
Bills Payable, State of Indiana		200,000	
Bills Payable, State Savings and Trust Co		30,000	
Bonded indebtedness		80,000	
Accounts Payable		1,248	
State of Indiana		128,483	
Concessions, 1921		25,535	
Rentals, Stalls		1,382	
Rentals, General		6,242	
Part of aeroplane contract.		125	
Futurities, Hereford		320	
		390	
Futurities, Shorthorn			
Futurities, Holstein		99	
Futurities, Angus		120	
Futurities, Jersey		404	
Futurities, Polled Shorthorn		325	
Futurities, Guernsey		275	
Futurities, Percheron		65	
Futurities, Belgian		40	00
Fees, Poultry		1,438	50
Fees, Rabbit		88	50
Stalls, Sheep		219	00
Stalls, Goat		5	00
Stalls, Cattle		1,954	00
Stalls, Swine		617	00
Stalls, Horse		616	00
Subscriptions Swine, Poland China		435	00
Subscriptions Swine, Duroc Jersey		350	00
Subscriptions Swine, Chester White		350	
Subscriptions Swine, Berkshire		135	
Mechanical space		991	
Electric current		1,245	
Appropriation (State of Indiana)		3,000	
Score card		526	
Catalog advertising		60	
Race program advertising.		30	
			-
Judging contest		150	
Cafeteria		1,256	
Admissions		127,690	
Dead account, advertising			50
Hauling		66	
Sundry sales		229	
Labor refunds		219	
Scales		28	
Telephone refunds			69
Damage	-	5	00
Exhibitor's tickets		3,079	00
Car storage		1,478	20

\$2,236,914 57 \$2,236,914 57

MEMORIAL TO CHARLES F. KENNEDY

The Indiana fair lost a time-tried, loyal and enthusiastic worker on June 12th when Charles F. Kennedy, secretary of the board, died from an attack of apoplexy. A meeting of the board in his memory was held on June 15th, when Thomas Grant, William M. Jones, and I. Newt Brown were among those who spoke in tribute to the extraordinary services

Mr. Kennedy had given to the board, to the state fair, and to the building program. President Grant appointed a committee on resolutions composed of E. W. Pickhardt, chairman, U. C. Brouse and G. R. Kemper, which reported as follows:

Whereas, It has pleased Almighty God to remove from among us our esteemed co-worker and friend Charles F. Kennedy, who died at 2 a. m., Sunday, June 12, 1921, at the age of 67 years, 8 months and 17 days, after a short illness as a result of apoplexy suffered some six weeks ago, thus ending a useful and well-spent life; and,

Whereas, In his demise the Indiana Board of Agriculture has lost an efficient and untiring secretary, and the Indiana State Fair one of its most enthusiastic supporters; therefore, be it

Resolved, That we sincerely deplore his death;

Resolved, That we hereby express our unqualified appreciation of his earnest and indefatigable work in behalf of the Indiana Board of Agriculture;

Resolved, That we extend to his immediate family our heartfelt sympathy in this hour of their affliction in the loss of a devoted father and grandfather.

Mr. Kennedy was born near Connersville, in Fayette County, September 25, 1853, but was reared in Rush County in the city of Rushville, where his body was laid to rest in the beautiful cemetery on Tuesday, June 14th, members of this board and many friends attending the funeral.

In his young manhood Mr. Kennedy served as secretary of the Rush County Fair and has ever since been identified with the two great interests in this state, those of agriculture and stock raising. He was twice secretary of the Indiana State Fair, having served in that capacity from 1893 to 1901, and again from 1916 until his death. Prior to being elected a second time as recording secretary of this board, he served as secretary of the West Michigan State Fair for several years.

Mr. Kennedy was one of the most widely-known fair secretaries in the middle west and a recognized authority on the management of state fairs.

He took an admirable interest in the success of the Indiana State Fair and in a large measure was responsible for the building program on the state fair grounds now in progress and which, when fully carried out will place the Indiana State Fair at the forefront of organizations of this kind in the United States.

He was a man of high moral character and a firm believer in the Christian faith. He is survived by one daughter, a granddaughter and a brother and sister.

We believe that Charles F. Kennedy could conscientiously say with the immortal Dickens:

"Whatever I have tried to do in life I have tried with all my heart to do well; whatever I have devoted myself to, I have devoted myself to completely; in great aims and in small I have always been thoroughly in earnest." In his beautiful poem entitled. "Away," our own Hoosier poet, James Whitcomb Riley, describes the passing of a human soul in the following pathetic manner:

"I can not say, and I will not say
That he is dead—he is just away!
With a cheery smile and a wave of the hand
He has wandered into an unknown land,
And left us dreaming how very fair
It must needs be, since he lingers there."

Resolved, That these resolutions be spread at length on the minutes of this meeting and an engrossed copy be furnished the bereaved family.

The board elected I. Newt Brown as secretary to succeed Mr. Kennedy. Mr. Brown brought to the office experience in state fair activities ripened by many years of service. He was elected a member of the board in 1905 and following his service as a member was in 1911 elected president of the board, and again in 1912 serving two years as president. He retired from the board in 1914, and in 1916 was elected superintendent of the Indiana fair, a position he held for three years. He was again elected a member of the board in 1919, holding the membership until elected secretary. During his service as a member he was a superintendent of numerous departments, which gave him insight into the many details of state fair management.

STATE FAIR SCHOOL OF HOME ECONOMICS

WOMAN'S BOARD OF MANAGERS

MRS. CHARLES N. LINDLEY, Salem, Director of School. MRS. CHARLES W. SEWELL, Otterbein, Director of Foods. MRS. LEWIS TAYLOR, Newburg, Director of Dining Room.

INSTRUCTORS AND SUPERVISORS

Miss Florence Boston, Purdue University, Demonstrator and Instructor in Foods.

Miss Nelle Flamingham, Purdue University, Instructor in Sewing.

Dr. Ada E. Schweitzer, Indianapolis, Instructor in Hygiene.

Mrs. B. M. Stoddard, Indianapolis, Instructor in Art.

Mrs. Ida Piatt, Evansville, Supervisor of Dormitory.

Miss Dora E. Wilson, Jonesboro, Supervisor of Dining Room.

Miss Marcia Orme, Southport, Supervisor of Baking.

Miss Mildred Malsbury, Romney, Supervisor of Cooking.

Miss Matha Pavy, Rising Sun, Assistant Demonstrator.

Miss Louise Van Cleave, Salem, Recreational Director.

Miss Bertha Lipps, Indianapolis, Instructor in Home Care of the Sick, and House Nurse.

Miss Nell Stevenson, Otterbein, Assistant in Kitchen.

THE SCHOOL PROGRAM

The school for its 1921 term was of two weeks duration. The first week was arranged on the basis of a strenuous program of work. The girls were divided into six working groups: No. 1-kitchen; No. 2cooking; No. 3—baking; No. 4—dormitory; No. 5—dishwashing; No. 6 dining room. These groups were changed daily so that each could have the advantage of training given to each group. Five lectures were given daily. At 7:30 Miss Flamingham gave a sewing lesson to groups Nos. 1, 2 and 3, their work coming before breakfast, while groups Nos. 4, 5 and 6 were performing their household duties. At 8:45 a.m. the entire school assembled in the demonstration room for Miss Boston's lectures and demonstrations on foods, planning meals, table service, etc. 10:15 a. m. groups Nos. 4, 5 and 6 had their lesson in sewing, while groups Nos. 1, 2 and 3 went to the kitchen to do their part toward preparing the noon meal. At 11:30 a. m. group No. 6 went to the dining room to set the tables and receive instruction in serving the meal. Dinner was served promptly at 12 noon. Immediately after the meal groups Nos. 1, 2, 3 and 4 went to the dormitory for their rest period, groups Nos. 5 and 6 joining them when their work was finished.

At 1:30 p. m. Miss Flamingham gave a lesson in sewing to the entire school, which proved very interesting and valuable to the girls. A very attractive apron was made by each girl and six dress forms, mounted, were placed on exhibition during the week of the state fair and attracted much favorable comment.

At 3 p. m. Mrs. Stoddard gave lectures on art appreciation and taught the girls how to make pine needle baskets.

The girls each day looked forward to their hour with Miss Van Cleave, their recreational director. Each evening the beautiful loggia of the Woman's Building was turned into a playground and stage where many clever stunts, pageants and plays were given, many of the girls showing much talent.

The second week of the school was while the state fair was in progress and the school program of work was so arranged that the girls might have the afternoons off to see the great fair. Dr. Ada E. Schweitzer, who conducted the better babies' contest during the fair, gave two wonderful health lectures to the girls. Miss Bertha Lipps, the school's house nurse, gave three lectures on home care of the sick, bandaging and emergencies. Miss Boston continued her demonstrations of foods each morning.

One special lecture was arranged for each day from 1:30 to 3:30. Miss Grace King of Purdue University, and assistant in girls' club work in Indiana, gave a very interesting and instructive demonstration in cold pack canning. Miss Lella R. Gaddis, state leader of home demonstration agents, gave the girls a most inspiring lecture on how to carry the spirit of the state fair's school back into their own communities.

Kingan & Company gave a meat cutting demonstration on Thursday, which was one of the most interesting and valuable lessons the girls received while at the school.

Each afternoon at 2:30 the girls, led by their group captains and chaperones, visited the various departments of the fair. One afternoon by special invitation they visited Governor McCray's fine herd of Herefords, which were being shown at the fair. On one afternoon the girls witnessed the fair's races from reserved seats in the grandstand, and on another day they saw the attractions in the Coliseum.

SOME SPECIAL FEATURES

The board of woman managers of the school has never required the pupils to wear any special uniform, simply designating in their instructions that suitable clothing be brought for specified occasions, asking the girls to eliminate party dresses. "Dress according to our work and our play" has ever been the school motto.

The school buttons, given by the board of agriculture, was worn by each girl as the only distinguishing mark. The buttons were highly prized by the girls.

The trip into Indianapolis on Saturday to visit the city market at Tomlinson Hall, the State House, the soldiers' monument, and some of the department stores, was a real treat to the girls.

By special invitation from the pastor of the Friends Church, the girls attended church service there in a body on Sunday.

Again this year, through the courtesy of the Indianapolis Street Railway Company, the girls enjoyed a street car tour of the city. Starting from the fair grounds at 3 p. m. on Sunday, they were taken to the parks and recreation grounds of Indianapolis, seeing much of the city and its suburbs while enroute, finally arriving at Garfield Park in the cool of the evening to watch the fountains play and to wander through the beautiful sunken gardens. Each year the girls vote this their most delightful day.

While the evenings of the first week of the school were spent in improving their own amusements under the careful management of Miss Van Cleave, the evenings of state fair week were entirely different, although fully as enjoyable. One evening the girls saw the fair under chaperonage. On another evening, at special request of the president of the board of agriculture, the girls led the big spectacular parade of live stock in the Coliseum and remained as guests of the board to see the hippodrome program. The girls occupied one entire section and made an attractive picture in their simple white dresses. On another evening the girls witnessed the lavish show of fireworks displayed on the infield of the race track.

Mrs. Stoddard gave them a talk on the paintings in the fine arts gallery of the Woman's Building.

The Ohio University Glee Club sang for the girls one evening.

SCHOOL ATTENDANCE FOR 1921

Each county in Indiana is invited to send a girl to the state fair's school each year, and where a county fails to respond another county that so desires may send more than one representative. The counties

represented at the term of 1921 were: Adams, Allen, Bartholomew, Benton, Blackford, Boone, Carroll (2), Clinton, Crawford, Dearborn, Decatur, Dubois, Elkhart, Floyd, Fountain, Gibson (2), Grant (2), Hamilton, Hancock, Hendricks (3), Henry, Huntington, Jackson, Jasper, Jay, Jennings, Lagrange, Lake, Lawrence (2), Marion, Monroe, Montgomery, Morgan, Newton (2), Noble, Ohio, Parke, Pike, Porter (2), Pulaski, Putnam, Randolph, Ripley, Rush, St. Joseph, Scott, Shelby, Starke, Switzerland, Tippecanoe (2), Union, Vanderburgh, Vermillion, Wabash, Warrick (2), Warren (2), Washington, White, Whitley.

A total of seventy-three girls were in attendance this year, representing sixty-two counties. The summary of registration shows the following: Fifty-two counties sent one representative each; ten counties sent two representatives, one county sent three. There was one married woman registered. Sixty-one girls were from the country or from very small towns. Fifty-two were either attending high school or had been graduated from high school. Ten had had advantages of the common schools only. Five were college students: Fifty-three had received some training in domestic science periods varying from four and one-half months to three years. Eight were members of girls' clubs. Forty-four are in school this season. Twenty-nine registered as having occupations as follows: Eighteen housekeepers, fifteen of whom had received some training in domestic science; three were teachers; three were stenographers; one was a linotype operator; one was a telephone operator; one was a salad maker in a cafeteria.

The board of agriculture looks upon the school of home economics as one of the best of its educational activities. The school is not intended to make a profit. It has a much higher goal than to make money for the board or the fair. Its purpose is to give alert girls of Indiana, especially those from the farm and small town, enlarged opportunities to broaden their visions, to spread acquaintance among girls of their kind, to inspire them to become better home managers, and through the medium of lectures and demonstrations, as well as through the medium of the state fair, to give them much information and inspiration which, without their attendance at the school, would not be available to them. It is the hope of the board of agriculture that within a very short time every county in Indiana will year after year avail itself of the privilege of sending a representative girl to the school.

STATE FAIR'S BETTER BABIES CONTEST

The youngest of the state fair's educational enterprises is the better babies contest, held during the fair on the upper floor of the Woman's Building. While premiums are offered to babies scoring the highest in physical examination, the board of agriculture has a much higher purpose than the distribution of prizes. Mothers of Indiana babies are asked to bring their infants to the fair that they may be informed as to the physical perfections and imperfections of the babies and receive instruction which they may apply through oncoming years in the rearing of their children. These contests were started by the board of agriculture at the fair of 1920, and in that year, a's well as in 1921, the con-

tests were under the able direction of Ada E. Schweitzer, M. D. of the division of infant and child hygiene of the Indiana State Board of Health, and by her capable supervision the contests have been highly successful. Dr. Schweitzer's report of the better babies contest for 1921 is as follows:

The better babies contest at the state fair is no longer an experiment. Why shouldn't a state which has the best corn and the best stock have the best babies, so thought Charles Kennedy, secretary of the State Board of Agriculture in 1920. The child hygiene division of the State Board of Health was asked to take charge and was promised everything needed in equipment and assistance. This promise was more than fulfilled during the contests of 1920 and 1921.

Entries for the second contest were made before the first was completed, but when the final notifications for examinations were sent out by the board, a number of eliminations had to be made on the basis of eligibility.

The classes in the 1921 contest were for babies of one year up to three years from towns of 10,000 or over and from the smaller towns and rural districts. Prizes were offered in the better babies contest for the best boy and the best girl in the age groups of twelve to twenty-four and of twenty-four to thirty-six months, with a sweepstakes prize for the best boy and for the best girl. The child scoring the highest number of points each year has been a girl baby.

A separate class for twins and triplets of any age was made. City children were scheduled for Monday, rural children for Tuesday, and twins and triplets for Wednesday. Assistants in addition to the child hygiene staff, were secured by the director and expenses and publicity were cared for by the State Board of Agriculture. Newton Brown, secretary, and the entire board of agriculture, the directors of the Girls' School of Home Economics, the Indianapolis Visiting Nurse Association, the Fletcher Sanitarium, the Department of Vital Statistics of the board of health co-operated in every way possible. Dr. James C. Carter, chief examiner, gave much time and thought to the work. The medical staff consisted of Dr. Ada Schweitzer, director; Dr. James C. Carter, chief examiner; Dr. Bernard Larkin, eye; Dr. John W. Carmack, ear, nose and throat examination. The mental tests were given by Mrs. E. B. Thompson and Miss Bertha Lipps, who was also detailed in the girls' school. Two nurses from the visiting nurse association and two from the Fletcher Sanitarium were sent each day to assist. Mrs. Harry Brown, formerly of the State Child Hygiene staff, helped throughout the week.

Miss Marie Mueller, Miss Scruby and Miss Mallon had charge of registration. The scoring was done by Mrs. Nell Zander and Miss Julia Zander, verified by Dr. Schweitzer and Dr. Carter.

The final score of the number of points received out of a possible thousand was the combined score for the height and weight, the mental tests and the complete physical examinations and every score was carried out three and four decimal places to avoid error. It is noteworthy that the percentage of poorly nourished children in the contest

was only one-half that of other children examined in the conferences. When one considers that the scores ranged all the way from 942.2 to 999.7 points out of a possible thousand, he realizes that the babies entered in the contest were in reality the best Indiana babies. Every score in the baby contest represents a consideration of nutrition, habits, freedom from defects, intelligence and development. Every mother was told whether any changes or corrections were needed in any of these respects. The educational value of this work can not be estimated. After the contest was over the child hygiene division held special health conferences for all children brought for examination.

One hundred and twenty-seven babies were entered in the contest and 101 were examined in the conferences.

Of the contest babies 13.38% were 10% or more below average weight, while for height 21.78% of conference babies were below. About half had tonsils that needed attention.

The contest babies were free from heart, lung, bone and posture defects and defects of the nervous system.

In selecting the best baby one has to consider nutrition, mentality, physical condition and co-ordination of muscles to nerves, the cause of many defects as looked for and the mother is given advice concerning them. Suggestions are made to suit the actual needs of the individual child, concerning nutrition, exercise habits, hours of sleep, etc.

Always an effort is made to impress the value of regularity and correct diet and long hours of sleep for the growing child. The early correct care is emphasized in every way that it is only by regular supervision that the majority of children will come to school age free from defects, and vigorous enough to attack any task.

REPORT OF THE DIVISION OF INFANT AND CHILD HYGIENE, INDIANA STATE BOARD OF HEALTH

By Ada E. Schweitzer, M. D., Director.

	Better Baby Contest Examinations	State Fair Miscellaneous Examinations	Total
Total number complete physical examinations	127	101	228 1
Mental tests made.	127	98	225
Total Number op Defe	CTS		
eneralonsils and adenoids.	261 72	209 31	470 103
otal physical and general Otal dental defects. Otal vision defects.	333 26	240 14	573 40
Total hearing defects	359	254	613
	1 .	1	
	1 .	1	
yes ars onsils enlarged, irregular, cryptic or diseased.	53 20 17 78	20 5 4 46	73 25 21 124
yes. ars. onsils enlarged, irregular, cryptic or diseased. robable adenoids. ther—head, face and neck nlarged glands.	20 17 78 13	5 4 46 5 18	25 21 124 13 5 55
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yes ars onsils enlarged, irregular, cryptic or diseased. robable adenoids ther—heaf, face and neck hlarged glands. one defects of chest and back leart. ungs bdomen enitalia xtremities osture osture neo-ordination muscles and nerves. paparent disorders nutrition.	20 17 78 13 37 8 78	5 18 2 11 27 17 40 13	25 21 124 13 5 55 2 11 27 25 118 13
Oral, teeth defects and general Dyes. Dars. Dars. Dars. Dars. Donsils enlarged, irregular, cryptic or diseased. Probable adenoids. Dither—head, face and neck Dalarged glands. Dane defects of chest and back. Heart. Danes. Defects. Defects. Defects. Dars. Dars	20 17 78 13 37 8 78 1 54 359	5 4 46	25 21 124 13 5 55 2 11 27 25 118 3 2 96

REPORT OF THE INDUSTRIAL BOARD

MEMBERS OF BOARD

SAMUEL R. ARTMAN, Chairman, Lebanon. KENNETH L. DRESSER, Peru. CHARLES FOX, Terre Haute. THOMAS ROBERTS, Indiana Harbor. THOMAS A. RILEY, Indianapolis. EDWARD J. BOLEMAN, Secretary, Rockville.

REPORT OF THE COMPENSATION DEPARTMENT

PERSONNEL

EDWARD J. BOLEMAN, Secretary.
JULIA BARNARD, Agreement Clerk.
BUREN BOUNELL, Reporter.
MURREL BRITTON, Accident Clerk.
MINNIE CARVER, Insurance Clerk.
EMMA HUPKE, Bookkeeper and License Clerk.
LORENZO KIRK, File Clerk.
JESSE LOWES, Insurance Clerk.
ALICE MOODY, Stenographer.
ELLEN OBRIEN, Receipt Clerk.
FLORA PAETZ, Reporter.
MAUREE SONDAY, Reporter.
HELEN TROUTMAN, Statistical Clerk.
EDITH WAGAMAN, Receipt Clerk.

During the fiscal year ending September 30, 1921, the industrial board received a total of 34,369 accident reports. This is a decrease of 8,625 as compared to the year previous. Since the compensation act became operative in September, 1915, we have received reports covering 228,115 accidents from the industries of the state.

Of the 34,369 accidents reported during the year there were 263 workmen killed, 617 workmen suffered the loss of some member of the body, 4,851 workmen were injured in mining coal, 80 of these cases resulted in the death of the miner. The railroad companies reported 3,041 accidents to their employes, eighteen resulting in fatalities. The automobile industries reported 2,309 accidents; three of these resulted fatally. In the manufacture of iron, steel and wire 1,965 employes were injured; twenty of these accidents caused death. We estimate that about eighty per cent of the workmen who were killed left relatives who were dependent on them for support.

CAUSE OF ACCIDENTS

The records of our statistical department indicate that a great percentage of all accidents are caused by the falling of material and machinery. This year 5,027 workmen were injured in this manner; 3,536 workmen were injured while handling material, and 3,109 accidents were caused by flying emery, cinders and dust; 2,175 workmen sustained crushing injuries caused by being caught between objects; 2,707 employes suffered injuries to the eyes; the majority of these accidents were caused by flying particles of emery. Practically all accidents of this nature could have been averted if the employers would furnish goggles and insist on their use by the workmen. There were 316 employes who sustained hernias while at their work. In such cases the employe is entitled to an operation and compensation benefits as in any other case of temporary total disability. However, in many of these cases the emplove, through fear, will refuse the operation for the cure of the hernia, and in a few cases an operation is inadvisable owing to the poor physical condition of the man. In such instances under a rule of the board the employe should be paid fifteen weeks' compensation in lieu of all other indemnity. The employers and insurance carriers should not lose sight of the fact that the purpose of the compensation act is not only to compensate a man for his disability, but also to correct the defects suffered by him in order that he may be restored to industry in the best physical condition possible and for this reason an employe who has suffered a hernia should have impressed upon him the fact that a hernia can only be cured by an operation and not by a truss.

DISABILITY CAUSED BY ACCIDENTS

Employers under the compensation act must report all accidents which cause more than one day's disability, within one week after they occur. Consequently in most cases when an accident is reported the length of disability is problematical. When the final payment of compensation is made the period of disability is tabulated. In 7,940 cases on which compensation is being paid the length of disability can not yet be determined. Two thousand six hundred and thirty-eight workmen who were injured lost no time as a result of their accidents. Nine thousand four hundred and fifty-six workmen were able to return to work within seven days. Five thousand four hundred and thirty-one employes were disabled from seven to fourteen days. Three thousand four hundred and forty-eight men lost from fourteen to twenty-one days. One thousand nine hundred and seven workmen lost from twenty-one to twenty-eight days while 3,644 employes were disabled for a period in excess of twenty-eight days.

AVERAGE WEEKLY WAGE

In making reports of accidents the employers are required to give the average weekly wages of the injured employe. The wages of all employes injured during each month were averaged by us and are as follows:

Month	Accidents	Wage	Month	Accidents	Wage .
October	4,109	\$30 24	April	2,435	\$27 92
November	3,402	30 75	May	2,436	27 35
December	3,166	31 19	June	2,559	26 33
January	2,857	31 28	July	. 2,617	26 52
February	2,362	30 54	August	3,040	26 30
March	2,679	29 07	September	2,734	26 32

Total accidents for the year, 34,369. Average weekly wage, \$28.65.

Th average weekly wage for the year previous was \$26.77.

There were 1,135 women injured in industry whose weekly wages averaged \$14.90. Four hundred and forty-eight children under sixteen years of age were injured and the average weekly wage in these cases was \$14.23.

COMPENSATION PAYMENTS

During the fiscal year employers or their insurance carriers paid a total of \$1,063,549.77 to injured workmen or their dependents in 3,347 cases which are still open on our books and in which weekly payments are still being made. Of this amount \$709,918.90 was paid to workmen who suffered permanent injuries or who have been temporarily disabled. Three hundred fifty-three thousand six hundred thirty dollars and eighty-seven cents was paid during the year to the dependents of the deceased workmen.

Final receipts evidencing the settlement of 18,731 cases were filed during the year. In these cases the employes or their dependents received a total of \$1,790,141.96. The board approved the payment of compensation in a lump sum in 158 cases, a total of \$162,169.31 was paid in this manner. We are unable to give the amount spent by employers for medical, hospital and surgical attention. Under the provisions of the act the employer is required to furnish such services for the first thirty days after the injury and in cases where further treatment is necessary the board is empowered to order treatment extended for an additional thirty days. We are pleased to state that in the majority of cases the insurance carriers and employers furnish treatment as long as necessary without taking advantage of the statutory limitation.

ADMINISTRATION

As previously stated 228,115 accidents have been reported to the board during the six years the compensation act has been operative. Of this number there have been but 6,090 contested claims wherein it became necessary for the board to hear the evidence of the parties and make an order thereon. Whenever an application for an adjustment of a claim is filed with us it is docketed and set for hearing in the county where the accident occurs. This is done to save the parties the expense of bringing witnesses to Indianapolis. As a rule we have three of our members hearing cases at various cities in the state. At all times after a hearing and decision by one member of the board either party to the dispute may appeal from the decision to the full board. The full board then reviews the case and hears the arguments of the parties, and upon

its own motion or proper petition of either party it may hear new or additional evidence. All full board reviews are held at our office in the State House. After the decision of the full board either party may appeal the case to the Appellate Court. Since the board was organized there have been 167 cases appealed to the Appellate Court. Of this number 133 have been affirmed by that body and only 16 have been reversed. There are eighteen appeals still pending. Besides our three members who hear cases out in the state, the chairman, except in emergencies when he is required to hear cases outside of Indianapolis, handles all administrative affairs of the board and tries the Marion County cases. The fifth member of the board is in charge of the State Free Employment Bureau. At least one member of the board and the secretary can always be found at our offices and we are anxious at all times to co-operate with injured workmen, employers, and insurance carriers in order that their differences may be promptly and properly determined.

STATISTICAL REPORT OF ACCIDENTS FROM OCTOBER 1, 1920 TO OCTOBER 1, 1921

Total	34,396	co e1	365	2,309	4000	ಣ	27.	14 175	C1 C1	69 26	60 ;	14	75	162 142	10 187	59	329 33	
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June	2,559		-	233	N : :	:	4-	E		1-1			- O	21.2	13	- 00	28	9
May	2,436	=	13	234		:	-4-	14.2		0.010	o :,	- -	9	15	4	2	9000	0.60
April	2,435		39	191	#	:		13		-00-	- :,	40	10	= 4	2=	-	19	1001
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Dec.	3,166		22	153	: :	-		· =		~ -1		7 -		O 10	- 5 26	4	18	=
Nov.	3,402		52	233	9 :	:	.00	19	- :		· 	77 00 17	9 1		19	. 2	44.	9
Oct.	4,109		08	325	2	:	0100-	. 23		4.00	0 :			16	35	15	43	100001
CLASSIPED AS TO INJURY	Number reported for months.	Miscellaneous or unclassified Abatotic Advantage norts and remains	Actionates parocara repairs Agricultural link montodruma	Automanufacturing includes body, top, repairs and parts Amings and tent manufacturing.	Agriculture Athletic goods, manufacturing and dealers Amusements.	Aluminum manufacturing	Baling hay, hemp and straw Baby carriages. Raby carriages. Raby carriages.	Page manufacturing Banks and trust companies Bakeries.	Baking powder manufacturing Barber shops and baths	Basket manufacturing Metal beds and bed spring manufacturing	Bill posting	Blacksmith Boats and barges, manufacturing and repairs	Boiler manufacturing Books and stationery	Boots and shoes, manufacturing, dealers and repairing Bottlers.	Bowling and billiards. Box manufacturing, (paper and wooden)	Braid manufacturing Brass foundries	Brewenes Brick, tile manufacturing and sewer pipe Brush and broom manufacturing.	Durial vauts. Butchers and meat markets. Buildings (offices and apartments) Button manufacturing.

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131 131 133 133 133 133 134 141	14 11 11 11 11 11 11 11 11 11 11 11 11 1	422001 2 2 11
104 104 104 17 17 17 17	8 7-27 1 1 5 4 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	41 - 7 11-1
408 40 72 41	9 8008 0 11 4 5 5 1 1 1 6 5 1 1 1 1 1 1 1 1 1 1 1 1 1	22 2 2 382
101 2 3 4 5 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 6-10822 28200 4 41410838	250 co 1100c
18 18 18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 4 m 2 4 4 m 2 4 m 2 m 2 m 2 m 2 m 2 m	16, 20, 20, 20, 20
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Can manufacturing. Canning and preserving. Canning and preserving. Carryot and rug dealers and manufacturers. Carriage and wagon manufacturing and parts Castings. Castings. Cattle feed manufacturing. Cement manufacturing. Cement manufacturing. Chain manufacturing. Chain manufacturing.	Churchias and tobacco manufacturing and dealers Cigar and tobacco manufacturing and dealers Cistern and would drillers Cleaners and dyers Cleaners and dyers Cotal manufacturing and women's) Cost dealers Coffin manufacturing and undertakers' supplies Coffin manufacturing and undertakers' supplies Coffin manufacturing and power Commercial light, heat and power Commercial light, heat and power Commercial light, heat and power Contractors, sepeneral Contractors, asbestos Contractors, aspenter Contractors, elevators Contractors, but all the services Contractors, elevators Contractors, elevators Contractors, elevators	Contractors, marble workers Contractors, marble workers Contractors, painters, decorators and paperhangers Contractors, painters, decorators and paperhangers Contractors, painters and steamfitters. Contractors, stoon masons Contractors, stoon galate, etc. Contractors, roofing, slate, etc. Contractors, river and harbor. Contractors, river and harbor. Contractors, road and street construction Contractors, excavating. Cooperage. Cotton and woolen mills and textile manufacturing.

STATISTICAL REPORT OF ACCIDENTS FROM OCTOBER 1, 1920 TO OCTOBER 1, 1921—Continued

Total	150 96 133 9	454 1 1 2555	1 121 121 12 14 16 16 16 16 16 16 16 16 16 16 16 16 16	2 2 4 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	455 435 1,044 1,044 103 103 103 103 103 103 103 103 103 103
Sept.	80 0 80	27 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		7 7 7 7 7	61 48 60 12 57 53 54 54 54 54 54 54 54 54 54 54 54 54 54
Aug.	15 10 10	7 7 21 21 21	27 13 13 11 1	0 67-	10 10 17 17 11 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10
July	24 6 9	20	122	0 61	70 44 4 F F G G G A
June	18 7 12	4 4 7 7 7 2 6	£2.5. €2.5. €3.5.	» : :	4600000 10000 10000
May	11 12 10 2	33	475 60-11	61	.vôô .⊗ô 488
April	11 7	5 4 17	## HHHH	° 11 .	చాలులు :అభావాది
Mar.	7 13 21	25 co co	2,7	173	464-178 8
Feb.	4 16 14	1 1 26	800-101-10	7 7 7 7 7 7	2820 1 4
Jan.	9 4 13	4 10	0 10 - 1		21214881 4
Dec.	8700	222	12801128	00.61	2 2 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Nov.	10000	63	1 25 1 2 0		11 113 157 157
Oct.	13 11 14	4	\$5.000	o	0 0 11 18 11 17 17
CLASSIPED AS TO INDUSTRY	Creameries. Creosoting. Com products.	Dentist and dental supplies Dary products. Distillery Distillery Dressmakers and tailors Druggists a. Dry goods and general merchandise Dry kith accessories manufacturing.	Domestic employees, cooks, maids, houseman, private chauffeur. Electrical and gas fixtures, manufacturing and dealers. Electrical railways. Electrical railways. Electrical railways. Engravers. Engravers. Engravers. Engravers. Excelsior manufacturing. Excelsior manufacturing. Explosive manufacturing.	Fish markets and oysters. Fish markets and oysters. Finn manufacturing and exchange. Fireproof articles.	Furties and foral supplies. For and grist mail supplies. Floor and grist mills. Floor and grist mills. Forging. Forging. Forging. Forging. Forestry, landscape, architecture and nurseries. Furnace manufacturing and dealers. Furniture manufacturing and dealers. Filling stations.

STATISTICAL REPORT OF ACCIDENTS FROM OCTOBER 1, 1920 TO OCTOBER 1, 1921—Continued

Total	609 124 3	135 31	16	30 631 12 23 10	32 121 269 3	99 98	20° 4	74 175 260	
Sept.	49 9		-	252 44 2		6 14	· en	100	-
Aug.	54	101		612	17	8-11-	- 63	0 18 23	63
July	08	— ro so		61	13	9.	5	16	- m-
June	50	0.4		49	155	7	7	1 10 16	6160
May	53	85		37.	10 10 19	4-12-	3 -	6 16 29	. 2
April	12	81	1	59 1	2 3 16 17	— co 4	က	112	
Mar.	35 12	12	7.0	20 20 30 30 30 30 30 30 30 30 30 30 30 30 30	1 17 12	. T	7	15	· · · · · · · · · · · · · · · · · · ·
Feb.	57	10	.63	35.3	2887	. 5 . 4	67	10 12	-
Jan.	32 10	==	4	56	10 14 1	7	7	11 12 24	107
Dec.	57 11 11	13		36	129221	e : 9	. 23	118	2007
Nov.	1 58 14 1	1 - 21 -		50.	40	111	9	25 24	en-1
Oct.	40	1242	1	67.	15	12	6	15 45	6161
CLASSIFED AS TO INDUSTRY	Mattresses. Meat packers. Metal refining. Milinery. Minieral waters	Mirror manufacturing. Moudings and picture frames. Musical instruments. Municipal corporations.	Newspapers. Novelty manufacturing.	Oil well drillers Oil refining Optical manufacturing Overall manufacturing Overall manufacturing	Physicians. Paint and varnish. Paper board manufacturing. Paper manufacturing and dealers. Pater are works (wood and metal).	Pharmaceutical and biological Photographers and supplies Planing mills Poinne	Plumbers supplies Polish manufacturing	Poultry dealers Printing and publishing. Pump and tank manufacturing and wind mills.	Quilt manufacturing. Regalia and uniforms. Ralway signals. Real estate. Red estate.

7 172 41 8 220	255 255 255 255 255 255 255 255 255 255	59	391 11 31	3,041 3,041 316 638 100 30 7	320 134 144 144 207 207 207 207 236 6	120
15 2 33	112 113 113 113 113 113 113 113 113 113	- 40	252	23.24 4.88.80 7.7 7.88.80 7.7	10 m m m m m m m m m m m m m m m m m m m	
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13 2 21 21	19 1		21	20 189 23 23 51 1	53,229	
1 8 2 25	23	4	15	158 158 24 24 61 8	1133	
10 5	24 2 1	4	30	33. 192. 35. 35. 35. 35. 36. 37. 37.	25 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	. 2
17 2 13	171	2 1 2	31	273 243 24 388 38 111	255 3 1 1 7 7	
2 10	1 17 17	m : m	31	19 224 188 22 22 22 1	25 7 1 1 24 3 3 16	
151	1341		333	3477 3477 288 398 398 448	37 10 2 2 1 1 2 2 2 2 2 2 2 2 2 2 10 10 10 10 10 10 10 10 10 10 10 10 10	61
10 11 12	277 9	15	11 45 2	29 330 119 388 15 1	31 16 2 2 33 33 16	61
15.80 5.12	24	1 2	33:	290 290 344 449 8	30°5°	-
18 4 81	42 42 11	4 0100	23 8 23	319 319 319 31 31 32 32	24 44 1 88 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
Rendering Restaurants Roofing Roofing Rope and twine Rubber manufacturing and vulcanizing	Safe manufacturing. Sand and gravel. Saw mills Saw manufacturing. Sakel manufacturing.	Calculo supplues. School subplues. Scheon manufacturing. Seed dealers. Sewing machine manufacturing and repairs.	Sinp buluding. Show cases. Sheet metal works and tinners. Sile construction. Soap and washing powder manufacturing.	Operatory manufacturing, naturate speciatry and wooden wate. Steam railroads. Stoon (quarries and cutting) Stoon amaufacturing. Sugar manufacturing. Sugar manufacturing. Sugar seals, etc.	Telephone supplies. Telephone and telegraph Threshermen Thaters Thread Tolet articles and barber supplies. Tol manufacturing Toy manufacturing Toy manufacturing Transfer, storage and warehouse Trunk manufacturing, suit cases and fraveling bags. Typewriting machines and stenotypes	Umbrella manufacturing. Undertakers. Upholstering :

STATISTICAL REPORT OF ACCIDENTS FROM OCTOBER 1, 1920 TO OCTOBER 1, 1921—Continued

Total	107		2	34	יי כיי	-	4+	-
Sept.	I IO		<u>:</u> : : :	00	:	:		:
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July Aug.	က	:				:	:	<u>:</u> :
June	∞	:	-	က	:			<u>:</u> :
May J	==	<u>: . </u>	-	2	:	:	1	<u>:</u> :
	12	:		3				: -
r. April			-	က		<u>:</u> :		:
Mar.	12	:		8	:	:	-	:
Feb.	000	:	:	2	:	:		<u>:</u>
Jan.		:					:	:
Dec.	13			22			1	-
Nov.	111	:	-	2				
Oct.	13			27	~		1	
CLASSIFED AS TO INDUSTRY	Veneer manufacturing.	Wetch monthsoftening	Waterway transportation	Water companies	Window shade manufacturing	W Indow Washers	Yarn manufacturing	Yeast manufacturing

	20002	
Total	41-32-52-00-00-00-00-00-00-00-00-00-00-00-00-00	2,175 88 195 29
Sept.	80 4-03-1 80 10-10 H44 10 6 4 0	157 17 17
Aug.	Ö	170 10 19
July	60 41 41 H41 41 6000 41 H 001010 60 60 HF 50	131 9 17
June	. 00 10HH H10 H H HH 이번에 400번 01 HH이이브이어 4	128 18 1
May		137 3 15
April		161 8 16
Mar.	0 0 10 1 1 00 1 1 0001 11 0	150 15 15
Feb.	81 10 H 10	169 4 17 4
Jan.	4 4 HHHNH 700 HHN 400 WHH H	216 11 14 1
Dec.		223 7 16 4
Nov.	0 wu 4 u uuu 70 w 4 4 xxx w 1 4 xx	243
Oct.	ন অন অ অ অ ন অ অকিচঅ অনক ন ক	290 8 4
ALL OTHER CAUSES	Betts. Boring machines. Clain and sprockets. Clain and sprockets. Clain and sprockets. Clain and sprockets. Clain wheels grindstones Emery wheels grindstones Gears Jointers Authes Motors and engines Presses Presses Authers Rolls's Sanders Sanders Sanders Sanders Shatting Miscellancous machines Miscellancous machines Friesian and derricks Miscellancous machines Friesian and derricks Mixellancous machines Friesian and machines Mixellancous machines Friesian and machines Gonveyors Machines and elections Machines and in baleris Conveyors Machines and in baleris Machines and in baleris Friesian and machines Friesian Frie	Jaught between objects 4 cids Secaping steam Decaping at a dynamite explosions.

CLASSIFIED AS TO CAUSE OF INJURY—Continued

Total	2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2
Sept.	8888 12342286 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Aug.	2814201242024288
July	21724 08 4 27 27 27 27 27 27 27 27 27 27 27 27 27
June	844488 6888848 608 60 60 60 60 60 60 60 60 60 60 60 60 60
May	248888445788888884486 244881188848481188888888888888888888888
April	28888888888888888888888888888888888888
Mar.	88 88 88 88 9 4 4 4 88 5 5 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6
Feb.	22,000
Jan.	7.888889444488889988888889898888488999888888
Dec.	24 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Nov.	2888825148888277774441 109818887888824861488488244
Oct.	244 25 25 25 25 25 25 25 25 25 25 25 25 25
All Other Causes	Electricity Hot metals Hot substances Fire Nalis stepped on, etc. Nalis stepped on, etc. Nalis stepped on, etc. Hit by fall of objects Hit by whelese, cars and engines Fall from statis Fall from buildings Fall from buildings Fall from poles Fall from

7 1,746 93	22331171131113	-980	15 15 15 15 15 15 15 15 15 15 15 15 15 1
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427	H		
123			801 156 w w w w w w w w w w w w w w w w w w w
116			1 19231 22 23 23 23 23 23 23 23 23 23 23 23 23
113	0 1 0 10		ci 10000000 0100100 448
102	ω — ω		1 338811770072 117477
150	70	: : : - : : :	23 23 23 25 21 25 25 25 25 25 25 25 25 25 25 25 25 25
136	ο ₁	H : : : : :	2
175	co		1 47-470 8888881 888
187	::::::::::::::::::::::::::::::::::::::	H2	8 28 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
195	н о о	4 1 4	2111 308800 0001111162
188	H H : : : : : : : : : : : : : : : : : :	-	4.028999999999999999999999999999999999999
Fire arms All other falls Collision of cars, vehicles, etc., wrecking of train	ADJUSTING MACHINES OR WORK— Belis. Emery wheels, grindstones Jointers Lakies. Power shears. Pressis. Pressis. Shapers. Shapers. Hofst, cranes and derricks. Miscellancous machines. Steam engines and boilers. Miscellancous machines. Steam engines and boilers. Mining machines. Mixers, cement, sand, etc.	Starting— Motors and engines. Miscellaneous machines. Threshing machines and clover hullers, balers Conveyors. Mining machines. Printing machines. Mixers, sand, cement, etc.	OPERATING AND FEEDING— BOTHE machines. Chains and sprockets Calenders. Drills Emery wheels, grindstones Jointers Jointers Milling Motors and engines Planers Power harmers Power shears Presses Riveters Rolls Riveters Ralls Sanders Saws.

CLASSIFIED AS TO CAUSE OF INJURY—Continued

Total	325 4 4 72 110 110 62 8 8 8 8	6		
Sept.	8 2 2 4 2 8 1		67	63
Aug.	60 8		- He	HH 00 HH
July	33 3			
June	1 29 372			Н Н Н Н Н Н Н Н Н Н Н Н Н Н Н Н Н Н Н
May	1 51 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			-100
April -	5 7 4 7			
Mar.	87 E		-	4
Feb.	L 82 HH 44			η
Jan.	36 3			N
Dec.	20 20 20 20 20 20 20 20 20 20 20 20 20 2			
Nov.	w -41-22 w		-	
Oct.	\$100 00 00 00 00 00 00 00 00 00 00 00 00		-	H
ALL OTHER CAUSES	Shapers. Hoists, cranes and derricks. Miscellareous machines. Threshing machines and clover hullers, balers. Severing machines. Machines used in laundries. Mining machines. Mining machines. Mixers, cement, sand, etc.	Stopphyd— Emery wheels, grindstones Pulleys Miscellaneous machines.	Onling and Dispersing— Belts. Calenders. Calenders. Emery wheels, grindstones Gears. Jointers. Rolls. Miscellandous machines. Conveyors. Mixers, cement, sand, etc.	CLEANING— Calenders Calenders Care Gars Gars Jointers Jointers Motors and engines Presses. Saws Miscellaneous machines. Threshing machines and clover hullers, balers. Printing machines and clover hullers, balers. Printing machines. Printing machines. Miscellaneous machines. Miscellaneous each in laundres. Misces, cement, sand, etc. Machines used in bakeries

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	H-11 70	198
		32 227
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	<u>+</u> 4	31 195
		34 173
-	H 10 H H	32 207
	0	39
	1 4	43
	w 000 = =	306
Reparis— Beits. Beits. Perman and sprockets Power harmers. Presses. Rolls. Rolls. Miscellaneous machines. Conveyors. Mining machines. Mixers, cement, sand, etc.	BREAKING OF MACHINES OR WORK— Belts. Chains and sprockets. Drills. Finery wheels, grindstones Fower hammers. Sanders. Sanders. Shapers. Shapers. Miscellaneous machines. Mixers, cement, sand, ctc.	FLYING OBJECTS— Hit by chips, wre breaking, etc. Hit by emery particles, dust, cinders, etc.

CLASSIFED AS TO NATURE OF INJURY

Total		424 44 83 83 83 82 262 23 262 23 27 77
Sept.	1100g4000	
Aug.	- по н п п п п п п п п п п п п п п п п п	33 11 11 10 10 18 3 3
July	y = 00 - 1	38 2 7 7 7 7 7 7 19 1 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
June	ಣಜ್ಞೆಹರ್ಣ	30 1 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1
Мау	ବ୍ୟକ୍ତ ଦେଶ	13 16 16 22 22 1 1 1 1 16
April	01 ක ට්රි ය 4 ස හ	28 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Mar.	148800 W H W H H	40 12 13 14 14 22 20
Feb.		31 7 7 11 11 11 21 22
Jan.	7 28 82 1	39 15 15 17 27 3
Dec.	oood44	45 20 20 6 6 35 35 34
Nov.	⊣ରାଗୁଲିଗାଦ ଓ ଓ ୯ F	20 20 88 88 4 4 4 32
Oct.	1 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	47 7 7 12 18 8 8 3 3 3 3 3 3 2 9 1 1 1 2 1 2 1 1 2 1 2 1 2 1 2 1 2 1
	Loss or Amperation— Arm Hand Thumb One finger, one or two phalanxes One finger, entire Two fingers, one or two phalanxes Three fingers, one or two phalanxes Four fingers, entire Three fingers, one or two phalanxes Four fingers and parts of fingers in various combinations, one hand Fingers and parts of fingers in various combinations, one hand Fingers and parts of fingers in various combinations, one hand Finger and parts of fingers in various combinations, one for Both less Both less Four force toes Two toes Two toes Two toes Four toes	Fracture or Broken Bones— Arm. Arm. Both arms. Hand. Elbow. Wrist. Thumb. One finger. Two fingers. All fingers. All fingers. Third fingers. All fingers. Third fingers. All fingers.

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14000000 000 10000 1000 1000 1000 1000	H 60 H 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	:
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21 100 110 130 120 120 120 120 120 120 120 120 120 12	871 88888 H H H 1 9 10	-
Both legs Hip Knee One foot Ankle Great toe Great toe Two toes Two toes Two toes Two toes Skull or scalp Jaw Neek Skull or scalp Skull or scalp Skull or scalp Skull or scalp Baw Skull or scalp Heek Shale Shale Skull or scalp Heek Shale Shale Shale Shale Shale Shale Shale Shale Shale	CRUSHED— Arm Hand Arm Hand Arm Hand Arm Hand Arm Hand Elbow Thurn Thurn One fingers All fingers and parts of fingers in various combinations— one land Thurn One leg Both legs Hip One log One log Both feet Ankle Great toe	Two toes.

CLASSIFIED AS TO NATURE OF INJURY-Continued

Total	722222	163 875 875 875 875 875 875 875 875 875 875	18 231 1 1 36 1,358
Sept.	co	13 444 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	118
Aug.	T	10 88827288 10 11 11 11 11 11 11 11 11 11 11 11 11	22
July	1 1 2	8 48 17 1 1 2 2 3 8 8 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	108
June		21 4412 8 22 1 9 1 1 8 8 8 1 1 1 8 8 1 1 1 1 1 1 1 1	106
May	1 2	80 80 80 80 11 11 14 L	1 12 19
April	-	4 1 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	104
Mar.	2	4 4 4 6 1 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	120
Feb.	HHH H03	66 1111 9 33 33 12 33 15 15 15 15 15 15 15 15 15 15 15 15 15	21.
Jan.	1 1 mm	0112034740 4 0121 60 4	23
Dec.		20 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	30
Nov.	2	0 9 8 8 4 8 1 1 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	23
Oct.	1 271	0 0 4 4 8 8 8 8 8 1 10 1 1 1 1 1 1 1 1 1 1 1 1	23 1 145
	Three toes. All toes. All toes. Skul toes. Skul toes. Chest. Collarbone. Pelvis. Heel. Heel. Heed. Body Body Shoulder blade.	Discourse, Sprant on Strain— Both arms Hand Hand Hand Elbow Wrist Thumb One Ingers All fingers All fingers All fingers One log Both legs Hup Krie One foot Both feet Ankle Ank	Chest. Spinal column. Shoulder blade. Collarbone. Abdomen

173 35 9	250 120 1658 1668 100 100 120	73.5.7.6.3.2.2.1.8.8.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	40484010540	H04H010H00
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Genitals Side Groin Heel. Body.	Arm Hand Elland Ellow Wrist Thumb Due fingers There fingers The fingers and parts of fingers in various combinations—	Thigh Thigh One leg. Both legs Hip Kine One foot. Ankle Great toe Three toes Three toes	Four toes All toes Face Nose One eye One ext Skul or sealp Jaw Jaw Peck Peck Peck Peck Peck Peck Peck Peck	Shoulder blade Back. Genitals Buttocks Groin Heel.

CLASSIFIED AS TO NATURE OF INJURY—Continued

Total	42 1 1 2 4 2 8 8 8 4 4 1 1 8 8 1 1 1 2 2 2 8 8 8 8 8 8 1 1 1 2 2 2 2
Sept.	25. 27. 28. 27. 28. 27. 27. 27. 27. 27. 27. 27. 27. 27. 27
Aug.	82 1.78 8.40 8.80 1.1 4 1.1 8.81 8.80 8.40 8.40 8.40 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.
July	86 44-1-02000 44 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
June	31 22 23 23 23 23 23 23 23 23 23 23 23 23
May	7 1 0 0 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1
April	41 75 66 68 68 68 68 68 68 68 68 68 68 68 68
Mar.	01 14 74 74 74 74 74 74 74 74 74 74 74 74 74
Feb.	11 12 12 12 12 13 13 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15
Jan.	0 94 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Dec.	8 6 11471 111411334 410 r4 4 H 0 H34HH
Nov.	25 77 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Oet.	30 30 30 30 30 30 30 30 30 30 30 30 30 3
	Cor Wounss— Both arms Both arms Hand Both hands Both hands Both hands Elow Wrist Thumb One fingers Four fingers Four fingers All fingers All fingers Four four The core The

360	344 8 8 734 77 77 77 77 74 86 66 426 1,472 510 510 60 60	66 68 68 174 471 1,316 1,316 1,32 1,32 1,32 1,32 1,32 1,32 1,32 1,32
252	35 11 110 110 17 17 4	1.88.04 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1
40	8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	244404121112882049991888
282 1 1	26 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	27.28.25.25.25.25.25.25.25.25.25.25.25.25.25.
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34.	24 118 118 113 123 134 134 135 135 135 135 135 135 135 135 135 135	148421 55488 41 5 5 7 1 1 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
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24	27 66 11 133 7 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	44 44 44 149 119 12 2	66 66 140 140 140 140 140 140 140 140
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	36 111 181 125 125 125 125 125 125 125 125 125 12	7-09-02-02-02-02-02-02-02-02-02-02-02-02-02-
Side Groin Heel Head Body.	Both arms Both arms Both arms Hand Both hands Eibow Wrist Thumb One fingers Four fingers Four fingers Two fingers All fingers, both hands Fincers and marks of finees in various combinations	

CLASSIFIED AS TO NATURE OF INJURY—Continued

Total	
Sept.	24 2 S2000 31 870 30 40 31 1-11 1-844 1-1
Aug.	400 .00 .00 .00 .00 .00 .00 .00 .00 .00
July	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
June	이니Ā I 마니스크림 준마였다 4 NH I 대해보여 Zell
May	w 등
April	12 12 12 12 12 12 12 13 14 15 14 15 15 15 15 15 15 15 15 15 15 15 15 15
Mar.	64 - 81-650 0-86
Feb.	21 - 500051 4-40 000 - 1 - 100 8000
Jan.	8 4 11 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
Dec.	40 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Nov.	808 1 2110024 6118 75 75 1111 114 124 6 111 2
Oct.	7-1 1 22 8 8 1 14 1 1 1 1 1 2 2 3 5 1 1 1 1 1 2 2 3 5 1 1 1 1 1 2 2 3 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Collarbone Abdomen. Back. Pelvis Pelvis Gentrals Buttocks Side. Groin Head. Body. Burns And Soxins— Both hands Both legs Theo fingers The fingers To one hand Thigh One fig. Both feet. Charles Both feet. Char

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Face. One eye. Both eyes. Both eyes. Nose Ear. Note: Shoulder blade Abdomen Back. Side. Groin Heel Heel Heel Body	ALL OPHERS— AFTI BOTH STATES AFTI BOTH STATES BOTH

CLASSIFIED AS TO NATURE OF INJURY-Continued

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Total
Skull or scalp.	16	14	=	13	50	20	4		67	1	1		73
Jaw Jeeth Noort		· co +	60 6				CJ 44			0100	- 90	01	5148
Neck. Spiral column. Spiral column.	2410	1104	∞ 4 -	m m 🗢	-1100	21 00 00	m 9 :		-100	400	2000	⊣ ∞ ∞	82425
Shoulder blade.	222	9-	100 410	04	11	∞4	46	0.0		~ •	44	900	1488
Abdomen Back Pelvis	23	32-7	24	42.	22.2	917	13.9	15	19	98	16	48	242 245 245
Gentals. Buttocks		က	10		က	7	1	co	9-		67	7	1 00 ec
Side Groin Heel	(ರಾಸ್ಕ್ ೧೯	17	112	222-	11.4	16 4 4	22 00 -	.0	010	11-6	15	00 co co	142 39 29
Head Head Bertyn Rection	27	14,	'= : :	'=-	6	121	'= -	77-	16	141	17	27	172
Rudute (herna) Rudute (herna) Chamesal nijuries Chamesal nijuries	:8°∞-	32:	2200	ឧຕເ	. 7	78 0 70 70	4200	29.		929-	25	-8	316 65 10
Multiple injuries not otherwise classified Indefinite or unknown.	101	.52.2g	∞2	10000	65	65.71	28.5	488	4 92	1012	1117	88-41	112 964

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Total	\$929,568 00	2,114		\$28.65	C1 44	456 666 666 103 1183 1183 1184 1184 1184 1184 1184 118
September	866,909 00	192	\$26 32			2000 000 000 000 000 000 000 000 000 00
August	\$75,062 00	186	\$26 30			6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
July	\$65,368 00	153	\$26 52		63	60-98-44-06-44-68-48-88-88-88-88-88-88-88-88-88-88-88-88
June	\$62,986 00	167	\$26 33		1	- 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2
May	\$62,883 00	137	\$27 35			6 4 4 4 4 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
April	\$64,206 00	136	\$27 92		1	100 8 4 4 4 4 6 8 6 8 6 7 4 6 8 6 8 6 7 4 6 8 6 8 6 7 6 8 6 8 6 7 6 8 6 8 6 8 6 7 6 8 6 8
March	\$73,711 00	144	\$29 07			2 C C 0 11 21 C 28 11 28 24 24 25 25 25 25 25 25 25 25 25 25 25 25 25
February	\$67,573 00	150	\$30 54			244001002411888851888888888888888888888888888888
January	\$83,333 00	193	\$31 28			
December	\$92,227 00	210	\$31 19			
November	\$98,644 00	195	\$30 75		1	
October	\$116,666 00	251	\$30 24		1	28 24 24 24 24 24 25 25 25 25 25 25 25 25 25 25 25 25 25
	Combined Weekly Wages for Months	Did not report wage	Average wage	Average wage for year	\$ 200 4 300 6 00	88828888888888888888888888888888888888

WAGES—Continued

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Total	1 0899 1 0899 1 0899 1 0898 1 1 0898 1
September	\$28486116889∞0€∞0014840 ≈0010 € 0 00 00 00 00 00 00 00 00 00 00 00 0
August	\$287588888888888888888888888888888888888
July	25E88846886654684 1011041 4 2 111 1 1 1
June	7.88.88.88.89.89.89.89.89.89.89.89.89.89.
May	23888888888888888888888888888888888888
April	23.3 23.3 24.7 24.7 25.2 25.2 25.2 26.2 26.2 26.2 26.2 26.2
March	## ## ## ## ## ## ## ## ## ## ## ## ##
February	8888888888888
January	882588444888541180a4rru0880r40841000 6000 1 4
December	\$20.00 \$20.00
November	######################################
October	641 600 800 800 800 800 800 800 800 800 800
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YEAR BOOK

AGE

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Total
Did not report age to date	138	104	77	74	59	66	48	54	49	62	- 69	76	876
10 years													
11 years					1							• • • • •	
12 years					1								1
14 years	5	5	7		3	2	1		1	5	1		30
13 years	12	17	13	6	4	3	4	9	10	5 7	9	8	102
	62	42	27	27	20	21	11	23	17	21	22	22	315
17 years	71 166	65 110	91	30 73	22 52	35 66	31 63	36 69	23	46 60	41 85	31 68	475
16 years 17 years 18 years 19 years 20 years	137	112	98	80	70	51	58	71	23 75 72	73	76	78	978 976
20 years	162	96	89	88	79	71	71	69	74	79	76 73	59	1,010
	164	122	119	111	91	82	76	96	80	101	109	83	1,234
22 years	135	122 101	103	109	85	89	75 73	85	103	89	95 107	102	1,192
23 years	146 155	1115	98 88	106	88	81 97	76	86 94	108 83	82 96	111	115 85	1,191 1,170
	132	128	103	97	78	87	95	81	90	91	109	102	1,193
26 years	107	111	94	95	77	83 77	87	78	90	69	89 87	78 84	1,058
27 years	127 127	80	86	80	77	100	71	61	69	77	87	84	976
26 years 27 years 28 years 29 years	104	99 63	132 70	89 70	86 42	102 77	78 84	89 65	91 86	82 72	111 69	119 64	1,205 866
3U vears	160	115	99	102	85	103	93	88	101	81	126	84	1,237
31 years	64	67	60	70 70	40	72 73	47	51	56	60	81 85	64	732
32 years	94 80	80 80	95	70	67	73	69 48	44 50	64	64 72	85 61	84 58	889 792
24 ******	79	63	78 55	63 65	55 52	75 84	48	57	72 53	67	76	66	792 763
35 years 36 years 37 years 38 years	121	114	105	71	92	88	81	92	100	97	93 67	90	1,144
36 years	87	85	85	69	45	64	66	54	55	58	67	52	787
37 years	79 89	64 94	78 94	58	59 64	54 71	57 70	57 60	45 75	65	60 83	55 75	710 927
38 years	69	75	49	87 59	28	57	48	40	44	45	63	60	637
40 years	117	96	100	98	80	84	1 74	86	67	86	91	82	1,061
41 years	55	35	38	37	34	44	23	30	37	42	44	30	449
40 years 41 years 42 years	56	62	70	49	51	60	40	36	46 30	60	66	52 36	648 482
43 years	63 50	54 41	40 41	45 34	40 35	37 39	39	36 25	35	25 38	37 43	32	443
45 years	96	81	80	64	60	66	59	61	60	61	43 77	32 70	835
46 years	46	43	45	33	38	34	37	37	29	48	49	43	482
47 years	48	39	43 56	33	37 45	34 33	31 50	24 46	29 41	42 38	32 57	37 61	429 583
48 years	64 55	57 32	39	35 37	32	29	20	37	29	36	40	28	414
48 years. 49 years. 51 years.	72	70	74	73	40	49	63	54	54	50	67	58	724
51 years	32	30	33	37	19	36	26	21	26	29	21	25	335
52 years	44 36	45	33 31	35	23 20	29 22	23 34	37 24	31 25	40 22	44 24	32 28	$\frac{416}{328}$
52 years 53 years 55 years 55 years 56 years	39	31 36	23	31 29	31	28	19	17	23	22	18	18	303
55 years	48	42	45	43	32	40	35	26	33	30	34	31	439
56 years	33	30	27	27	13	9	15	19	20	16	28	18	255
57 years	25	25 29	23 31	10 22	16 14	18 27	21 28	15 19	13 17	10 20	21 26	15 21	212 283
59 years	29 25	27	22	18	13	17	19	12	10	12	20	16	211
60 years	47	36	27	33	18	24	25	26	20	22	23	30	331
	15	7	10	6 13	9	6 11•	14 19	9 10	15 13	14 15	15 13	12 14	132 176
62 years	23	17 11	18 10	10	10	6	13	12		9	21	11	151
64 years	31 13	11	15	5	9	11	7 8	7	7 9	9	12	10	118
65 years	16	16	13	17	14	14	8	9	11	10	11	18	157
66 years	9 16	9	$\begin{array}{c c} 7 \\ 2 \end{array}$	5	6	5 5	8 4	9	10 4	8 10	13 3	6	93 69
66 years	6	10	8	5	5	8	4	3	5		5	6	74
ou years	3	7	4	7	5	8	4	3 7 6 2	5	9 7 6	9	2	68
70 vears	4	12	5	3	5 3 1	8 3 2	7	6	9		1 4	6	65 32
71 years	4 3 6	6 7 2	5 3 3	1 4	1	$\frac{2}{3}$	1 2	. 1	5 5 9 3 3	2		6 5	32 41
72 years	2	2	4	3	i	4	2	1	i	1	2	5 3 2	26
74 vears	3	1	4	2			2	2	1	1	1 2		19
75 years	2	3	····i	3 2 3 1	3			1 1	1		i i	1	15
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78 years	1					î		1	1	î	ĩ		6
79 years								1				1	1
80 years				1								1	2
81 years	1					1						1	$\begin{array}{c} 1 \\ 2 \\ 2 \\ 3 \\ 1 \end{array}$
82 years	1												1
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84 years													

AGE-Continued

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Total
86 years													
88 years													
90 years	1								.				1

DURATION OF DISABILITY

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Total
Cases not reporting disability to date	831	850	651	529	448	460	437	480	585	639	623	1,207	7,740
Cases not resulting in				175							582	1	
Quit work at time of	304	185	157		145	178	174	150	183	209		196	2,638
Cases reporting a dis-	20	22	15	11	8	5	11	9	7	12	4	8	132
ability of 7 days or less Cases reporting a dis-	1,174	908	833	743	616	772	673	740	764	711	834	688	9,456
ability of 7 to 14 days Cases reporting a dis-	656	508	486	474	401.	439	399	408	435	447	445	333	5,431
ability of 14 to 21 days Cases reporting a dis-	454	356	344	305	242	290	253	266	246	257	269	166	3,448
ability of 21 to 28 days	224	195	219	183	164	171	158	122	121	150	122	78	1,907
Cases reporting a dis- ability of more than													
28 days	446	378	461	437	338	364	330	261	218	192	161	58	3,644

DISMEMBERMENTS

				_	_								
CLASSIFIED AS TO INDUSTRY	October	November	December	January	February	March	April	May	June	July	August	September	Total
Number reported for month	1			ı	29								02.
Agricultural implements	2	3	2			1	2		٠٠.	٠			10
andparts	12	8	2	2	1	9	5	7	9	2	4	3	64 1
Baby carriages		1					1	_i	2				4
Blacksmith. Boots and shoe manufacturing, dealers and repairing			1				 1		 1			 1	1 4
Box manufacturing (paper and wooden).	1 1	···i	3			··· .	 1		 1	 1		···i	1 11
Brass foundries		1						 1					1 2
Butchers and meat markets.	1		1 2	···i	i			 					3 5 2 4
Canning and preserving	1	i										··· <u>·</u> 2	2 4 21
Castings		1							1				1 6
Chain manufacturing		î				i	î						3
Cigar and tobacco manufacturing and dealers										1	···i		1
Agricultural implements. Automobile manufacturing—includes body, top, repairs andparts. Agriculture. Baby carriages Bakeries. Blacksmith. Bloots and shoe manufacturing, dealers and repairing. Bottlers. Box manufacturing (paper and wooden) Brass foundries. Brick, tile manuacturing and sewer pipe Brush and broom manufacturing. Butchers and meat markets. Can manufacturing. Canning and preserving. Car manufacturing and repairs. Castings. Cement manufacturing. Chain manufacturing. Chain manufacturing and dealers. Cigar and tobacco manufacturing and dealers. Cleares and dyers. Cleares and dyers. Clothing manufacturing (men's and women's)	i												1
Cleaners and uyers. Clothing manufacturing (men's and women's). Coal dealers. Coal mining. Coffin manufacturing and undertakers' supplies. Commercial light heat and power.	14	··· 5	8	5	···i	··· 5	1 4	4	3	2	· · · · · · · · · · · · · · · · · · ·	2	2 55
Commercial light heat and power		2	···•		···i	``i							1 6 1
Commission merchants. Contractors, general. Contractors, road and street construction.	i	2	i	2	i	i	2		i				11
Contractors, road and street construction		i	1					1	2				5

DISMEMBERMENTS-Continued

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Classified as to Industry	October	November	December	January	February	March	April	May	June	July	August	September	Total
Contractors, bridge and structural iron				• • •	٠				1		2	:::	3 1
Cooperage. Cotton and woolen mills, textile manufacturing. Corn products.						1							
Corn products	1	٠٠.					1						1 2 1 1 1 8 5 6
Dairy products. Druggists.		1									· · · i		1
Dry goods and general merchandise. Electrical and gas fixtures manufacturing and dealers								1					î
Electrical and gas fixtures manufacturing and dealers	1	3	2 2				1			٠٠.		1	8
Electric railways	3		2	1			• • •	1		. 2			6
Enerothe rainways Enamelware manufacturing Fence manufacturing and safety gates Fertilizer manufacturing. Flour and grist mills. Food products manufacturing Forging.		1											1
Fertilizer manufacturing						1 1				٠			1
Food products manufacturing						1							1
Forging			1					1			1		3
Foundry	3	3	4	$\frac{2}{2}$	2	1 2	6	1 3	1	2	2 2	2 2	16 29
Foundry Furniture manufacturing and dealers Garages	. 3		1		1	2	1		**		2		6
					î								6 1 7 2 11 3 2 3 1
(Flass manufacturing		1				2	3				1		7
Glove manufacturing. Groers, wholesale and retail. Grain elevators and dealers. Handle manufacturing.	7			1		1						2	11
Grain elevators and dealers									2			1	3
Handle manufacturing Hardware		1					1						2
Hides and leather (tannery)	1:::		1:::			1		i		1	1		1
Hospitals and sanitariums				1									1
Hauling. Ice manufacturing and cold storage					ļ						1		1
Iron and steel	1 2	5	8	4	2	5	7	4	3	2	3	3	5 48
Junk dealers	1]										1
Laundries										1			1
Lime manufacturing. Live stock commission merchants.		1					1					• • • •	1
Lodges and clubs			1				1						1
Lumber manufacturing and dealers and building material Machinery and machine shops.	5	2 3	3	2	1	1		1			3	3	20
Marble tile and granite monuments	1 1	3	1	1	2	1	1	1		1		1	15 2 8 7 8
Meat packers. Metal refining.	2	1	2					1		1		1	8
Musical instruments.			2	1			1	2				1	7
Municipal corporations.	1:::	1		1									1
Municipal corporations. Novelty manufacturing. Oil well drillers.		1											1
Oil well drillers Oil refining	2	1 1									1		1
Paner hoard manufacturing			1:::			1:::	1						1
Paper manufacturing and dealers Planing mills.	1		2			1	1			1			6
Plumbers' supplies	1					1 1		1				2	1
Plumbers' supplies. Poultry dealers.	1		1:::										î
Printing and publishing	1	1				1						1	1 4 2 2 1
Pump and tank manufacturing and wind mills Real estate		1				1							2
Refrigerators						1							1
Restaurants									1				1
Rope and twine. Rubber manufacturing and vulcanizing.		1			· · ·		ıi						$\frac{1}{2}$
Rubber manufacturing and vulcanizing.	1	. 2	2	1	i		1		1	1	1		11
Saw manufacturing			· · · ;	1							1		1
Sewing machine manufacturing and repairs	12		1	1:::		1:::	1						1 3 1
Sheet metal work and tinners	. 2	2	3	2	3	3	1			1	1		15
Specialty manufacturing, hardware specialty and wooden			1	1	1			1	0				10
ware	. 6	2	3 1	1 1			3	4	2	2	3		10 25
Steel and wire]	·	2			1		2				7
Stone (quarries and cutting)	. 4	1				1		3	1			4	14
Telephone and telegraph		l	. 1		1:::	7					1		1
Thresherman. Tool manufacturing.	. 2	2 1						2				3	11
Tool manufacturing	;		1	1									2
Toy manufacturing . Transfer, storage and warehouse. Veneer manufacturing		1				1		1				1	2 4 2 4
Veneer manufacturing	. 1					1		1			1		4
	1	1		1		1	1	1	I	1	1		

DISMEMBERMENTS CLASSIFIED AS TO CAUSE OF INJURY

			_	1						4			
		er	er		8							er	
	October	November	December	January	February	cb	-		43		nst	September	-
	Oct	Nov	Dec	Jan	Feb	March	April	May	June	July	August	Sept	Total
	-	-	-	-		-	-	-	-	-	-		
ALL OTHER CAUSES—	١.	١.											
Belts	1	1		1		···i			1	1		<u>i</u>	5
Chains and sprockets	2	1	i			1	1		1		2	1	10
Lathes		1											1
Motors and engines Presses Pulleys			2				1						1 2 3
Pullevs			1	1			l:::			i	i		3
Rolls	i		2				2						4
Saws	1	1	2				1	i					4 6 2 2 12
Shafting	1:::	2											2
Elevators. Hoists, cranes and derricks. Miscellaneous mechanics	1	2 2	2		2 2 2	1 1		1	1	1		1	12
Wiscenaneous machines				4	2	1	1	4	4	3		5	24
Threshing machines and clover hullers and balers	· · ·	1	1 1										1
C		1						i					1 3 2 3
Mixers, cement, sand, etc	. : :				1								3
Vaught between objects	12		9	3	3	2	7	3	6	4	7	6	65 1
Hit by fall of objects.	8	5	7	3	· · · · · · · · · · · · · · · · · · ·	1	3				3	4	42
Cog wheels. Mixers, cement, sand, etc. Caught between objects. Nails stepped on, etc. Hit by fall of objects. Hit by vehicles, cars and engines Hit by machine parts. Full of one letter and shale.	1				1	1	7 3 1	3	4 2		3	1	11
Hit by machine parts	2	1		2									1 4
Fall of coal, slate and shale Gas explosions, gas flames Dropping and handling.				2		 1						1 1	1
Dropping and handling		1	1			î		3	1	1	1	2	9
Trucking and hauling Miscellaneous or unclassified Cranking automobiles, auto wrecks, etc.		7	٠٠.		2 1 1	٠٠.			1 		1	3	9 3 47
Miscellaneous or unclassified	10		5	4	2	5	5	2	4			3	47
		1 1	3	i	1		2	· · · · · · · · · · · · · · · · · · ·			i		11
Bumping into stationary objects			-										1
Dump cars and pit cars	1	3	3			2	2	2 1					13 2 1
Fire arms		1					···i						1
All other falls									1				1
Bumping into stationary objects. Dump cars and pit cars. Striking against sharp edges, glass, nails, etc Fire arms. All other falls. Collision of cars, vehicles, etc., wrecking of trains.						٠٠,		1					1
Adjusting Machines or Work-													
G	ļ							1					1
Saws Jointers Shafting Shapers Hoists, cranes and derricks. Miscellaneous machines	1												1
Shapers						1							1
Hoists, cranes and derricks											1		1 3
Miscellaneous machines	1							1	1			[]	3
OFERATING AND FEEDING—													
Boring machines. Chains and sprockets.		1											1
Chains and sprockets		1											1
Calenders Emery wheels, grind stones	'n					1	1					1	1 1 2 5
Jointers	2	1	2		1	4	2	2		1	3	1	19
Lathes	3				1							1 1	19 3 2 11
Milling Planers	···i	1		1		1	1	1	1		2 1 3 1 1		11
Power hammers		2					2	î			ĩ	1	7 22
Power shears	3		4	4	1	9	3		1		3		22
Presses. Riveters.	13	11		4		9	7	8	1	2	1	3	$\begin{array}{c} 66 \\ 2 \\ 1 \\ 2 \end{array}$
Rolls.						1							ĩ
Sanders			1	'	٠٠,				٠٠.	5	1		2
SawsSet screws	12 1		5	5	4	2	4	6	5	5			68
Shapers			1	1	1 4	· i					···i	1	1 6
Shapers. Miscellaneous machines Threshing machines and clover hullers, balers Sewing machines.	8	10	9	3	4	9	7	3	6	2		3	64
Threshing machines and clover hullers, balers Sawing machines	1	1		1		• • •							3 1 2 2 1
Mining machines.			1								1		2
Printing machines						1						1	2
Mixers, cement, sand, etc			1										1
OILING AND INSPECTING-													
Gears				'				1					1
Rolls	• • •										1		1
Mixers, cement, sand, etc						1						1	1
AMERICAN MACHINES													1

DISMEMBERMENTS CLASSIFED AS TO CAUSE OF INJURY-Continued

	October	November	December	January	February	March	April	May	June	July	August	September	Total
CLEANING— Calenders. Saws. Miscellaneous machines. Machines used in laundries.	1 1 1	1				2		 i				• • • •	1 1 5 1
REPAIRS— Presses	1			• • •		• • •	• • • •		···i				1 2
Emery wheels, grind stones			1										1

DISMEMBERMENTS CLASSIFIED AS TO NATURE OF INJURY

Loss or Amputation— Arm	2 1 2 10 1 2 23 19	1 1 2 3 3 3 3		. 1	1	September Total
Arm. 1 1 Hand. 2 Thumb. 17 12 One finger, one or two phalanxes 48 43	2 1 2 10 1 2 23 19	1 4 9 32 30	2 1	. 1	1 5	1 1
One finger, entire. 2 Two fingers, one or two phalanxes. 10 5 Three fingers, entire. 5 1 Three fingers, one or two phalanxes. 5 1 Three fingers, one or two phalanxes. 2 2 Four fingers, one or two phalanxes. 2 2 Four fingers, one or two phalanxes. 4 2 Fingers and parts of fingers in various combinations. 4 2 Fingers and parts of fingers in various combinations. 4 1 One foot. 1 1 1 Great toe. 1 1 1 One toe. 4 3 3 Two toes. 1 1 1 Three toes. 1 1 1	2 1	3		52 11 6 8 3 2 2 1 1	20 4 3 1 2 	2 662 25 343 3 662 2 12

DISMEMBERMENTS-WAGE

Highest wage paid to any one person, \$75 00 Lowest wage paid to any one person, \$6 00 Average wage paid to any one person, \$29 11 29 did not report wage.

AGE

- Age ranges from 14 to 74 years.
 11 cases did not report age.
 61 cases under 20 years.
 185 cases between 20 and 30 years.
 151 cases between 30 and 40 years.
 95 cases between 40 and 50 years.
 66 cases between 50 and 60 years.
 43 cases between 60 and 70 years.
 5 cases over 70 years.

FATALS

							_	_			_	_	
Classified as to Industry	October	November	December	January	February	March	April	May	June	July	August	September	Total
Numbe reported per month	35	25	29	23	21	21	17	12	19	24	18	19	263
Automobile manufacturing including body, top, repairs													
and parts	1	i		i			1				1		3 6
Car manufacturing and repairs			2		3	1	1				1		6
Clay manufacturing and potteries	1	1		1		···i	• • •	1					5 2
Coal mining Commercial light, heat and power	13	13		10		8	4	4	7	2	2	4	80
Contractors, railroad	1	1	1			• • • •		1		2		2	11 1
Contractors, general. Contractors, bridge and structural iron	i	2	1			1	3	2		1	3	2	16
Contractors, bridge and structural iron			2		···					1	• • •	:::	3 1
Contractors, plumbers and steamfitters. Contractors, road and street construction.				i					i	2			4
Contractors, road and street construction	1		1			• • •	1		• •	3	٠.	2	4 8 3
Corn products				2			1	:::				:::	1
Cutlerv						• • •				٠٠.	1		. 1
Dry goods and general merchandise. Express companies.				:::		:::	···i		:::				1
Fertilizer manufacturing				1									1
Foundry.	1		i			• • •	:::						$\frac{1}{2}$
Furniture manufacturing and dealers:			2										
Garages	2	1	• • •		1		• • •		• • •	• • •	• • •	• • •	8 3 2
Glass manufacturing Grocers, wholesale and retail					1		···i						1
Grocers, wholesale and retail	1			٠.,					• • • •	• • •		• • •	1
Hardwood floors					i	: : :	:::		:::	:::			1
Hotels									1		,		1
Insurance	5	i	4	···i	i.i	2			i	··i	2		19
Iron and steel			1			[
Meat packers Municipal corporations		• • •		• • • •		1	1	1	1			• • •	1 3 2 3
Oil well drillers									1	8		2	3
Oil refining. Paper manufacturing and dealers Planing mills. Pump and tank manufacturing and wind mills.	1	2	1	1	1	1	• • •	1	4	8	1		19
Planing mills									1		· i		2 2
Pump and tank manufacturing and wind mills	1												1 1
Rendering		···i							:::			:::	1
Rendering Restaurants Sand and gravel		:			٠	1				٠٠.			1 5
Saw mills.	2											1	3
Saw manufacturing											1	··i	1
Saw mills. Saw manufacturing. Sheet metal works and tinners. Steam railroads.	3	1	2	3	2	i			i	'n	2	2	1 5 3 1 2 18 1 4 3 2
				1									1
Stone (quarries and cutting) Telephone and telegraph Transfer, storage and warehouse. Water companies			1		2	···i	1			··· <u>i</u>	· · · i		3
Transfer, storage and warehouse.									2				2
water companies			1					• • •		٠٠.	٠٠.		1
ALL OTHER CAUSES-													
Elevators Hoists, cranes and derricks					i	1			• • • • • • • • • • • • • • • • • • • •			1	3 3 1
Miscellaneous machines	i						1						1
Miscellaneous machines Gas asphyxiation Assaults							1		2	٠٠.			4
Drowning.			···i		i						1		3
Drowning. Caught between objects Acids. Escaping steam.	3	3			1 2 1 3							• • •	4 1 3 8 1 2 7
Escaping steam					1					i			2
rowder and dynamite explosions	2		3		1 3					1	1	2	7 14
Electricity Hot metals	:		1										1
Hot substances Fire						 1	1						1
Nails stepped on, etc.						1		1					1
Collapse of support Hit by fall of objects. Hit by vehicles, cars and engines.			1	1			1			1			4
Hit by vehicles, cars and engines	8	1 2	3	4	3	i	1		3	3	3	2	19 31
				•		Î	^		,				

YEAR BOOK

FATALS-Continued

Classified as to Injuri e s	October	November	December	January	February	March	April	May	June	July	August	September	Total
ALL OTHER CAUSES—Continued. Fall from ladders Fall from scaffolds, benches, platforms, etc. Fall from soaffolds, benches, platforms, etc. Fall from soaffolds, benches, platforms, etc. Fall from pulcings. Fall from piles. Fall from piles. Fall through openings Fall down shafts. Fall of coal, slate and shale. Gas explosions, gas flames. Handling heavy objects. Miscellaneous or unclassified Poisonous gases Hand tools—hammers, knives, etc. Cranking automobiles, auto wrecks, etc. Dump cars and pit cars. Striking against sharp edges, glass, nails, etc. Cave-in drt, walls or buildings Exploding bottles, light globes, all other explosions. Coupling cars, braking, switching, etc. Fire arms. Collision of cars, vehicles, etc., wrecking of trains. All other falls.	1 7	6 2	1 3	2 2 2	3 1 1	1 3 4 2	1	1 3 	1 4 1	1 8	1 1 1 1	1,	1 5 1 1 5 33 18 1 22
Operating and Feeding— Emery wheels, grind stones. Miscellaneous.	1		1										
OILING AND INSPECTING— Miscellaneous machines. REPAIRS— Chains and sprockets. BREAKING OF MACHINE OR WORK— Belts.	1												1 1 1
Belts. Emery wheels, grindstones. FLYING OBJECTS— Hit by chips, wire breaking, etc.													6

WAGES

Highest wage paid to any one person, \$86 00 Lowest wage paid to any one person, \$7 00 Average wage paid to any one person, \$31 66 $32 \ did$ not report wage.

AGE

Age ranges from 16 to 77 years.

12 cases did not report age.
12 cases under 20 years.
69 cases between 20 and 30 years.
62 cases between 30 and 40 years.
51 cases between 40 and 50 years.
35 cases between 60 and 70 years.
19 cases between 60 and 70 years.
3 cases over 70 years.

FEMALES

						-			_				
Classified as to Industry	October	November	December	January	February	March	April	May	June	July	August	September	Total
Number reported for month	165	91	99	76	82	97	81	94	97	72	96	85	1,135
Agricultural implements						1							1
and repairsAwning and tent manufacturing	15	5		3		1	3	4	5 1	1	4	3	46
Agriculture	i				₁								1
Baby carriages Bag manufacturing Bank and trust companies					···i			1			 1	1	2 3
Basket manufacturing	7	2	3		1	_i	1 1	<u>i</u>	2 1	1			29 7
Metal beds and bed springs manufacturing. Box manufacturing (paper and wooden)	3	3	 4	· · · 4	 1	1 4		2		2	4	2	1 29
Brick, tile manufacturing and sewer pipe		1.	2			1		1	2	1		2	8
Brush and broom manufacturing. Buildings (office and apartment). Books and stationery.	1							1		₁			4 3 1
Books and stationery. Boot and shoe manufacturing, dealers and repairing Bottlers	4	'	3	1	1		<u>i</u>	2	3		2 2		19 3
Canning and preserving. Can manufacturing. Carpet and rugs manufacturing and dealers.	19 1		3		1	5			2	1	4	15	54 .1
Carriage and wagon manufacturing and parts	···i												1 1
Castings	1 2									···i			5 3
Chain manufacturing	3	2	2	1	2			3					14 1
Cigar and tobacco manufacturing and dealers Cleaners and dyers Clothing manufacturing (men's and women's)	1	···i				···i		1	<u>i</u>				1 7 4
Comm manufacturing and undertakers supplies	10	6	5	3	4	10 1	11 1	11	12	6	9	7	94
Coal dealers. Commission merchants.	:	• • •			2 1					···i			2 2 2 12
Confectioners.	3	1			. 1			i	2	3		3	12 1 35
Cotton and woolen mills, textile manufacturing	2 2	1	i		5	5 1		1	1	3		3 1	10
Corn products.											···i		3
Dentist and dental supplies Dairy products Dressmakers and tailors		··i			···i	'							$\begin{array}{c c} 1 \\ 1 \\ 2 \\ 2 \\ 9 \end{array}$
Druggists					1			1	3	2	1	1	9
Dry goods and general merchandise Electrical and gas fixtures manufacturing and dealers	10	9 3			13 1	11 4	1	6 4	2	5 3	5 1	5 2	93 36
Enamelware manufacturing Envelope manufacturing	i		1 4			1	i		1			2	9
Film manufacturing and exchange Florists and floral supplies Food products manufacturing	1 1	1							1				2
Foundry	i	$\begin{vmatrix} 1\\2\\2 \end{vmatrix}$	2 2		2				$\begin{bmatrix} 2 \\ \cdots \\ 2 \end{bmatrix}$	1	1	····	2 9 9 2 5 8 21
Furniture manufacturing and dealers. Gas manufacturing. Glass manufacturing.	6		$\begin{vmatrix} 2\\1\\3 \end{vmatrix}$		3	1		3		$\begin{bmatrix} 1 \\ \cdots \\ 2 \end{bmatrix}$	1 2	.:.	3 41
Glove manufacturing. Grocers, wholesale and retail		1	$\begin{vmatrix} 3\\1\\2 \end{vmatrix}$	1	1	6 1 1	4	4			1	3	13 11
Hardware.	i	···· 1					1 1	1					3 3
Hardware. Harness and saddelry Homes, aged, orphans' soldiers', etc Hospitals and sanitariums					3	1	1 1						16
Hotels	7		2				1	2	3	2	5	1	28
Ice cream manufacturing	1										i		1
Insurance. Iron and steel. Jewelry manufacturing and dealers.	 1	· · ·	1	···i					····i			1	1 2
Jewelry manufacturing and dealers. Junk dealers		1					1						1 8 2 1
Knitting mills. Laundries	1	4		2	4	· · · i	2	2	2	2	2		32
Lodges and clubs. Lumber manufacturing and dealers, building marteial				1		1		1	2		1		6 2
	1			. 1							. 1		2

YEAR BOOK

FEMALES-Continued

					_								
CLASSIFIED AS TO INDUSTRY	October	November	December	January	February	March	April	May	June	July	August	September	Total
Machinery a d machine shops. Mattresses. Metal refining. Millinery. Moulding and picture frames. Musical instruments. Municipal corporations. Novelty manufacturing. Oir refining. Overall manufacturing. Physicians. Paper board manufacturing. Paper board manufacturing and dealers. Pharmaceutical and biological. Photographers and supplies. Planing mills. Polish manufacturing. Poultry dealers. Printing and publishing. Pump and tank manufacturing and windmills. Regalia and uniforms. Railway signals. Real estate. Restaurants. Rope and twine. Rubber manufacturing. Saw manufacturing. Saw manufacturing. Saw manufacturing. Schools and universities. Sewing machine manufacturing and repairs. Sheet metal works and tinners. Soap and washing powder manufacturing.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 2 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 2 2 1 1 1 2 2 1	1 1 3 3 1 3 3 2 1 1 2 1 1	3 2 2 2 4	2 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 1 1 1 1 3 3	1 1 1 2 2 1 2 6 1 1	1 1 2 3 3	3 2	1 1 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 1 1 1	9 1 1 39 9 5 3 3 2 2 2 13 1 1 1 1 1 5 5 2 2 2 2 2 1 1 2 2 2 2 2 2
Specialty manufacturing, hardware specialty and wooden- ware. Steam railroads. Steel and wire. Surgical and hospital supplies. Telephone and telegraph. Theaters. Tool manufacturing. Toy manufacturing. Undertakers. Veneer manufacturing.	 1	1	5 1		1 2	2	6	i 	i	i	6	···i	25 2 8 2 30 2 1 3 1

CLASSIFIED AS TO CAUSE OF INJURY

		1							1	1	1	1 1	
	October	November	December	January	February	March	April	May	June	July	August	September	Total
ALL OTHER CAUSES													
Belts		1	1	1							2		5
Chains and sprockets		1										2	1 3 2 2 3 2 3 2 3
Rolls					1				i	1			5
Pulleys Rolls Shafting		2											2
Elevators	3			1			1 4	3	4	2		1 2	8
Miscellaneous machines				i									28
Machines used in bakeries			1								1		1
Heat.	4	1	8		3	2	··· i	2	1	3	3	3	9
Caught between objects		2	2	i		1	1	1	1	2		1	3
Escaping steam						1.				1		1	
Clectricity Tot substances.	8	1	2	3	2	4	1	i	2	1 1	3 4	1 5	3
fire					1		i	1	1	1			. (
Vails stepped on etc	7	4	···i	1	$\frac{1}{2}$	1				3	2	1 3 1 2	2
Collapse of support. Iit by fall of objects. Iit by vehicles, cars and engines. Iit by machine parts.	10	4	1	8	5	6	1 1	4	9	3	1 5	2	5
Hit by vehicles, cars and engines						1		1		2	1	1	
Iit by machine parts						2					1		-
Fall from ladders	1		7		i	1	1		5	1 2		1	1:
Fall from scaffolds, benches, platforms, etc	3	5	2	5	4	5	10	3	2	1	2	1	4
Fall from wagons, cars, motorcycles, etc			1	1			<i>.</i>						
as explosions, gas flames.					1						1		
Slipping	4	2	4		4	1	5	7	· · · · · · · · · · · · · · · · · · ·		3	3 2	3
Stumbling	2	1	1	3	1	1		1	3	2	1	2	18
Tandling heavy objects. Dropping and handling. Trucking and hauling.	6	3	2	· · · 8	6	6	4	2	i	4	4	2	48
Trucking and hauling	2	1						1				1	
Animal kicks, bites, runaways, etc	13	7	7	10	7	13	9	12	11	5	12	1 8	114
Hand tools—hammers, knives, etc	7	5	5	1	4	4	3	4	3	7		7	53
Poisonous gases					2								2
Cranking automobiles, auto wrecks, etc	5		2	2	3	2	2	· · · i	• • •	· · · i	3	· · · i	2
Bumping into stationary objects	24	18	18	2 5 9	3 12	12	2 7 9	12	17	8	12	9	154
All other falls	16	13	11	9	6	14	9	7	9	6	3	5	108
Adjusting Machine or Work										ļ			
Miscellaneous machines					1		1						
OPERATING AND FEEDING													
Boring machines					1								
Drills											1		2
Drills Emery wheels, grindstones Presses	8	· · · ;	2	2	$\frac{1}{2}$			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	$\frac{1}{2}$	3	3	9
Riveters	1												2
Sanders										1			
Saws. Miscellaneous machines.	19	6	13	1	3	12	7	9	7	9	9	4	9
Sewing machines. Machines used in laundries.	2	2	1	7	1	5	4	8	9		7	4	5
	1	2	$\frac{1}{2}$					2	1		1		1
Machines used in laundries	4			1	1		1 2	3			2		1
Machines used in laundries. Printing machines.	4	1	2										
Machines used in laundries. Printing machines. Oiling and Inspecting	• 4	1	2										
Oiling and Inspecting	4	1	2		1								
Oiling and Inspecting Miscellaneous machines.					1								:
Oiling and Inspecting Miscellaneous machines	4				1								:
Oiling and Inspecting Miscellaneous machines. CLEANING Presses.													:
Oiling and Inspecting Miscellaneous machines. CLEANING Presses. Miscellaneous machines.	1				1		•••						
OILING AND INSPECTING Miscellaneous machines. CLEANING Presses. Miscellaneous machines. BREAKING OF MACHINE OR WORK	i			 i									; 4
Oiling and Inspecting Miscellaneous machines. Cleaning Presses. Miscellaneous machines. Breaking of Machine or Work	· · · · · · · · · · · · · · · · · · ·			 i									4
Oiling and Inspecting Miscellaneous machines. Cleaning Presses. Miscellaneous machines. Breaking of Machine or Work Belts. Flying Chips	i			· · · i								1	11 44
Oiling and Inspecting Miscellaneous machines. Cleaning Presses. Miscellaneous machines. Breaking of Machine or Work	i		3								1	1	10

CLASSIFIED AS TO NATURE OF INJURY

	1	1		-			_	_	1	1	_			
	October	ocupie.	November	December	January	February	March	April	May	June	July	August	September	Fotal
Loss or Amputation		- -		-					-	-	-	_	02	-5-
Three fingers, entire				1 1	1		2		2	1 1	i		2	14 2 1 1
FRACTURE OR BROKEN BONES														
Arm Hand Wrist Thumb One finger Two fingers One leg. Knee. Hip. One foot. Great toe. On toe. Ribs Shoulder blade Collarbone.	1 1 1		1	1 1 1 1 1	1	1	1 2	1 1	2	1 1	1 1	1 2 1	1	15 2 8 2 7 1 5 4 1 3 2 2 2
Hand									1					1
	1			د د					1				i	1 3 4 1
DISLOCATED, SPRAIN OR STRAIN														
Hand Elbow Wrist One finger Thumb One leg Hip Knee One foot Ankle Shoulder blade Back Side		1 2 			2 1	2 2 1 1 4	3 5	1	1 1 1 1 2	1 6	3	1 3 1	1 3 2 3 1	5 3 8 31 2 8 4 4 6 6 2 34 1 13 2
LACERATED WOUNDS														
Thumb. Elbow. One finger	6	1 2	4	1	1	4.	2 .	2	1 .	.	• • •		1 1 1	3 8 4 1 27 3
one hand		1	· · · · · · · · · · · · · · · · · · ·		i .	1				2		i		1 1 4 1

CLASSIFIED AS TO NATURE OF INJURY-Continued

	1	T	ı	1	1		1		1	1	1		=
		ber	Je.	_	A							ber	
	October	November	December	January	February	March	=	>	e	2	August	September	- 69
	š	N _o	De	Jan	Feb	Ma	April	May	June	July	Aug	Sep	Total
G. W.													
Cut Wounds													
Arm. Hand.	2	5 1 1	···i	1 2	···i	1 4	$\frac{1}{2}$	4	· · · i	1 2	3	1 5	38
Wrist	3 3	1	2		1 1 1	5	···i	3	2	1 5	1 2		1
Thumb. One finger	3	9	1	· · i	7	7	3	8	11	4	10	2 7	26 77 11
Two fingers	3		2	2	1		1		1		1	· · · i	11
Four fingers. Fingers and parts of fingers in various combinations— one hand.									1				1
Leg	1								1	1			
One foot	1 1								2	1	1 1	1	
One toe									· · · i				
Face	i		i	2	1				1		i		
One eyeSkull or scalp	1									1:::			
Skull or scalp Shoulder blade Head				1					1				1
Heel										i			î
Contusions, Bruises													
Arm	1			1		2	3	1	1			1	1
Both arms Hand	4	··· · · · · · · · · · · · · · · · · ·	2	1	<u>i</u>	3	<u>.</u>	··· <u>·</u>	···i		2		1
Elbow. Vrist.	····					• • •	2		··i			1	
Thumb.	7		6			3		3	2	2	3	1 3	1.
One finger	i	1	2			1	1					1	**
Three fingers. All fingers						-			···i		i	· · i	1 4
All fingers. Two fingers, both hands. Fingers and parts of fingers in various combinations—		1				·,··						• • •	
Fingers and parts of fingers in various combinations— one hand	l					1							
Leg		2	1				1 1	···i	· · · i			3	
Both legs	1							_i					
Knee One foot	1 3	1		1	₂	i		;	2				
Ankle	2	1	1				···i	1	1				1
Great toe	2			···i	 1 1						1		
Two toes.		i					,						
Face							···i						
Nose. Ear	ıi											: : :	
Chest				··· <u>·</u>				···i	1				
Back					1				2				
HeadBody	1	1		2	1	2	1					2	
BURNS AND SCALDS													
Arm	1	;			1	I	1		2 1		1	3	1
Hand Both hands		1			1 2 1	1					1 1		1
Both hands Wrist One finger	i			2		1						1	
I nree ingers			1					 i			1		
All fingers Fingers and parts of fingers in various combinations—			1		•	• • •		1					
one hand					···i				1				1
Leg One foot										2			2
Oue 100t	1	1 1	!					1		1	2	11	

CLASSIFIED AS TO NATURE OF INJURY-Continued

	October	November	December	January	February	March	April	May	June	July	August	September	Total
Both feet	1 1 1 1 1		· · · · · · · · · · · · · · · · · · ·	i		i	···· 1	1	···· 2			1 1 	2 2 1 8 1 2 1
Arm . Both arms . Hand . Elbow . Wrist . Thumb . One finger . Two fingers and parts of fingers in various combinations—one hand .	3 1 9 1 1 5 11	1 5 2 7	3 2 3 11 1	1 3 2 6 	•••	3 1 3 9	2 3 6 11	3 2 10 1	1 3 1 5 11	1 3 1 4 10	1 3 1 2 13 1	2 2 5	14 2 46 5 3 38 113
Leg . Thigh	2 1 7 2 2 11	1 4 1	1 1 	1 1 1 1 3	1 1 1 1 1 	2 1 	1 2 1 1 6	2 1 	1	3 2	1 2 2	4	25 11 25 11 51
Both eyes. Nose Skull or scalp. Neck. Spinal column. Chest Ribs Shoulder blade Abdomen	1	1	2	1	1	1 1 1		1	1			V. 2	1 2 2 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Back Side. Groin Head Body Rupture (hernia) Internal injuries.	 2 2	1 1	1 1	i		1 2 1	1 1 1 1	1	1	1 2	1 1	1	13

WAGE

Highest wage paid to any one person, \$54 00 Lowest wage paid to any one person, \$3 00 Average wage paid to any one person, \$14 90 26 did not report wage.

AGE

Age ranges from 12 to 74 years.
22 cases did not report age.
349 cases under 20 years.
370 cases between 20 and 30 years.
176 cases between 30 and 40 years.
139 cases between 40 and 50 years.
51 cases between 50 and 60 years.
26 cases between 60 and 70 years.
2 cases over 70 years.

CHILDREN 16 YEARS AND UNDER

	_		1			1		1	1	1			
		En										S.	
	10	November	December	8	ary						40	September	
	ope	Je II	en	uar	Lus	rch	11	A	9		ns	ten	
	October	PS	l e	January	February	March	April	May	June	July	August	de	Potal
	-	-	-	-	_								
Number reported	79	64	47	33	28	26	16	32	28	33	32	30	448
Number reported	100	04	71	99	20	20	10	02	20	00	102	30	990
CLASSIFIED AS TO INDUSTRY													
Agricultural implements	1	2				2	- 1						6
Automobile manufacturing, includes body, top, repairs				1					1				
and parts. Awnings and tent manufacturing	3			, .	1		2		1 -				15
Baby carriages	1···	3	1										3 2 6 5
Bakeries	1			1	1				1		2		6
Basket manufacturing.		1		i	1	1			1	. 1			
Metal beds, bed springs manufacturing Boot and shoe manufacturing, dealers and repairs	::i	· · · i						· · · i	• • •	· · · i	1		1 4
Bottlers	1										1		3
Bowling and billiards	4	i	2		1			1					3 12
Box manufacturing (paper and wooden) Brass foundries Brick, tile manufacturing and sewer pipe			1							1			
Brick, tile manufacturing and sewer pipe		1								1	 1		3
Brush and broom manufacturing	1				1	• • •							1
Butchers and meat markets Canning and preserving Car manufacturing and repairs	2	2		1								1	6
Car manufacturing and repairs			1	1						1			3
Cement manufacturing. Chain manufacturing.		1					• • •						1
Cigar and tobacco manufacturing and dealers Clay manufacturing and pottery. Clothing manufacturing (men's and women's)			i										1
Clay manufacturing and pottery		2						1	1				3 12
Coal mining	9	$\frac{2}{2}$	7	1 4	1		· · · i	1 3	1	2		1	12 31
Confectioners				1 4								1	2
Confectioners Contractors, general. Contractors, bridge and structural iron	1			1				1		2	1	1	6
Contractors, bridge and structural iron		1								1	1		3
Contractors, roofing, slate, etc.			1	1									î
Contractors, roofing, slate, etc											2	3	5
Creameries					3	1	1	1	· · · i	2		1	6
Corn products	1	1				1							4 3
Cutlery	1												1
Druggists.						···i	: : :			1	3	1	6
Cutlery. Dairy products. Druggists. Dry goods and general merchandise. Electrical and gas fixtures manufacturing and dealers.	l	2	2	2	1			1	5	1	2	1	17
Electrical and gas fixtures manufacturing and dealers Engravers	1 2	2			1	• • •	1			2	1		9
Electric railways				1									. 1
Envelope manufacturing . Fence manufacturing and safety gates		٠.	1	1					 1				1
Film manufacturing and exchange					1				1				1
Film manufacturing and exchange. Food products manufacturing Foundry Furniture manufacturing and dealers.							!						î
Foundry.	2	1]								2	1 3 25
	2	4				1	1	1	4		1		6
Gas manufacturing Glass manufacturing Glove manufacturing Grocers, wholesale and retail Hardware				1 3		1	٠		4				6 2
Glove manufacturing	3	2	1	3			11		- 2		2	1	14 6
Grocers, wholesale and retail	3	1	- 2	2	1	1 1	1	3 2	3	1			17
Hardware. Ice manufacturing, cold storage Insurance. Insulation manufacturing.				 1		1							1
Insurance			1					1					2
Insulation manufacturing		2											
Iron and steel	5	- 1							1	1		1	10
Junk dealers Knitting mills Laundries		1			:::					1			1 2
Laundries		1		i :::									2
Lodges and clubs. Lumber manufacturing dealers, building material Machinery and machine shops. Meat packers.	 1						1					···i	1
Machinery and machine shops.		1		1 1									1
Meat packers	i	1	1.	1	1	1		1			3		10
Musical instruments	· · · i	2	1	1					1			··i	ن ن
Oil refining.	1				1						i		o o
Oil refining. Paper board manufacturing Paper manufacturing and dealers. Planing mills.				•1							٠٠.		1
Planing mills	2	1	1				1	1		1		1	9
Plumbers' supplies.		1											3
													1

YEAR BOOK

CHILDREN 16 YEARS AND UNDER-Continued

CLASSIFIED AS TO INDUSTRY	October	November	December	January	February	March	April	May	June	July	August	September	Total
Poultry dealers Printing and publishing Railway signals			2 4	1 2	 2	<u>.</u>		2	2	· · · i	··· <u>·</u>	2	3 29
Restaurants	9				1								3
Roofing Rubber manufacturing and vulcanizing Sand and gravel	1 1 1	2	i								i		6
Saw mills	1							 					1
Saw manufacturing Sheet metal workers and tinners		1										: : :	2 1
Specialty manufacturing, hardware specialty and wooden- ware	4	$\frac{1}{2}$	3			3		1		1		2	15
Steam railroads. Steel and wire		1	1					1		 1	1		10 5
Stone (quarries and cutting) Stove manufacturing Telephone and telegraph.	1					1		1	114	1		:	4
Telephone and telegraph. Theaters	2	1	2		3	1	1	1		3		2	16
Threshermen Tool manufacturing				1							1	2	4 2 5
Toy manufacturing	- 1		1	2					i				
Transfer, storage and warehouse. Veneer manufacturing.		1				1		1	i				3 4

CLASSIFIED AS TO CAUSE OF INJURY

				_			_	_			_	_	
	October	November	December	January	February	March	April	May	June	July	August	September	Total
ALL OTHER CAUSES													
Belts Boring machines Gears Presses Saws. Shafting Miscellaneous machines. Printing machines. Caught between objects Acids. Escaping steam Electricity. Hot metals Hot substances Fire. Nails stepped on, etc. Hit by fall of objects. Hit by fall of objects. Hit by fall of objects. Fall from ladders. Fall from ladders. Fall from scaffolds, benches, platforms, etc. Fall from buildings Fall from wagons, cars, motorcycles, etc. Fall from piles. Fall of coal, slate and shale Slipping. Stumbling. Stumbling.	1 1 7 1 1 3 11 	1 2 4 1 1 2 2	1 2 7 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1	1 1 2	2 3 3	1 1 1 1 1 1 1 1 1	2	1 1		1 2 1 1	2 2 2 1 1 1 2 2 2	2 2 3 3	1 1 1 1 1 1 1 1 1 1 2 2 2 2 4 4 2 1 1 1 1
Dropping and handling. Trucking and hauling. Animal kicks, bites, runaways.	1	9	3	1 1	i		1 2	2	1	· · · i		2 i	25 6 6

INDUSTRIAL BOARD

CLASSIFIED AS TO CAUSE OF INJURY-Continued

										_			
	October	November	December	January	February	March	April	May	June	July	August	September	Total
Miscellaneous or unclassified. Hand tools, hammers, knives. Cranking automobiles, auto wrecks. Coupling cars, braking, switching. Bumping into stationary objects. Dump cars and pit cars. Striking against sharp edges, glass, nails, etc. Exploding bottles, light globes, all other explosions. All other falls.	5 1 3 3 2 1 9	2 1 2 1 3	2 2 4 1 3	2	1 6	1 2 	3	1 3 1 1 2	6	1 3	1 1 3 1 3 1		34 17 18 5 11 8 47 1
Operating and Feeding Boring machines. Drills. Emery wheels, grind stones. Jointers. Power shears. Presses. Sanders. Saws. Set screws. Miscellaneous machines. Sewing machines. Machines used in laundries. Printing machines.	3 1 1 6	2 9 1	3	i 1	i	1 1	1 1 1	1 2 3	 1	3	1	 1 1	1 1 3 1 1 9 4 3 1 29 6 1 13
CLEANING Miscellaneous machines	2			1									3
Hit by chips, wire breaking, etc	1 6		1	1 1	2		<u>i</u>		2	2	1	<u>i</u>	7 17

CLASSIFIED AS TO NATURE OF INJURY

	_												
	October	November	December	January	February	March	April .	May	June	July	August	September	Total
Loss or Amputation													
One finger, one or two phalanxes	3		2					1	,				6
Two fingers, one or two phalanxes			1										1
Two fingers, entire								1					1
Two toes	· · · i		1										1
Fracture or Broken Bones							٠						
Arm	4	4	3	1	1	1		3	1	1	2		21
Elbow		1											1
Wrist		1	1	1									3
One finger.	1			1		1							3
Four fingers.						1						1	2
One foot						1		1			1	1	2
Ribs	1					1				1			3
Four toes.												1	1

CLASSIFIED AS TO NATURE OF INJURY—Continued

	October	November	December	January	February	March	ii	y	9	,	August	September	37
	Oet	No	Dec	Jan	Feb	Ma	April	May	June	July	Aug	Sep	Total
Crushed													
•													
and		 1		1 1									
vo fingers	<u>i</u>												
g e foot. reat toe.				1]		
eat toe	1 1		1								!		
ody				 1						1			
l toes	· · ·		٠٠.									1	,
Dislocated, Sprains or Strains													
m		1									1		
bowrist						1					 1		
numb	١		 1 1		1			1	. 1				
ne finger e foot.								1	i]		
ne foot		1	<u>i</u>				i						
nee akle			1	1		2		··· i					
noulder blade			1										
ackroin		1						1					
rom		1											
LACERATED WOUNDS													
m	· · · i		2										
and	1					2			2	1		1	
humb	1 1	2	1		1				2	1	1		1
rist humb ne finger	7		î						2		1]
										1			
cull or scalp.		1						:: : :: :					
Cut Wounds													
·m	1	1					1		1			1	
and	1	1	· · · i	1	4					2			1
rist	1	· · · i			2			· · ·				<u>i</u>	
ne finger	5	7	2		2	1	1	1 3	i	5	1	1	9
wo fingers	1				1					1			5
humb. ne finger we fingers hree fingers ngers and parts in various combinations one hand							1						
						1							
neenee foot.	1			<i>.</i>									
ne root	1			i i	2			2		1	1		
ose.				1									1
arne toe					1								
rull or scalp									1				
ead							1						
ody					1							• • •	
Contusions, Bruises													
rm	2		2 2									2	
andrist	2			1								··· i	
humb	2	···i	···	1 2					1			2	
humb. ne finger.	4 2	6	4					2	3	1		3	
wo fingershree fingers	2										··· i		
ll fingers. wo fingers, both hands		3							1		1		Ş
		1								ıi			

CLASSIFIED AS TO NATURE OF INJURY-Continued

	October	November	December	January	February	March	April	May	June	July	August	September	Total
									1			1	
goth legs.								1		1		1	
nee					1	i							
ne foot	1	1	1				1	3		!	1		
ıkle							1	1					
eat toe	1	1		:				1	٠.			1	
e toe	2			1								1	
vo toes	···i	1			1								
l toes	1		• •				• • •						
ce			1										
ose	:	1				,							
ie ear	1												
ead			1		1						1		
oulder blade	1	1											
odomen								1					
okdv			1		1						1		
de											1	· i	
10.11				• • •									
Burns and Scalds													
m		1							1		3		
oth arms							1						
and		1	1	1		1			1			1	
ne finger												1	
eg		1	1										
ne foot.	···i									1		1	
ne eye	1												
All Others													
·m			1							2			
and	3	2	1	2	2	1	1		2		2		
humb		3				$\frac{1}{2}$	Î	1					
ne finger	2	4		4	3		1	2		1		2	
vo fingers								1				1	
l fingers	1												
nighe leg		1	2			1							
th legs	1	1	4								2		
nee	î			2					1	1:::	1		
ne foot	3	2	3	ī		1			l	i	4	2	
reat toe										1			
ae eye	8		1	2	1	1	1		2	2		1	
oth eyes		1							• • •				
rull or scalp							1						
eeth										1			
enitalsead			1	• • •						1			
upture (hernia)									2	1		1	
upouro (morane)									1			1	
iternal injuries													
nternal injuries				1	2				l				

WAGE

Highest wage paid to any one person, \$45 00 Lowest wage paid to any one person, \$3 00 Average wage paid to any one person, \$14 23 21 did not report age.

AGE

Age ranges from 12 to 16 years. 1 case 12 years of age. 30 cases 14 years of age. 102 cases 15 years of age. 315 cases 16 years of age.

FINANCIAL STATEMENT

Financial statement of receipts and disbursements for the fiscal year ending September 30, 1921.

RECEIPTS		
Appropriation	\$111,600	00
DISBURSEMENTS		
Salaries	\$74,914	99
Traveling expense	20,618	33
Office expense		30
Turned back to State Treasury	5,880	38
	\$111,600	00
COLLECTIONS		
License fees Transcript fees	\$14,682	50
Transcript fees	1,717	10
Watercraft fees		
Total collections deposited with State Treasurer	\$16,624	60

LICENSE REPORT

The license fees are due annually from July 1st to June 30th, but should be paid before September 30th.

96	theatres pa	aid							 		 	 ٠.		 	 		 	 	 	 		406	; ;	50
82	hotels paid	١.							 		 2.	 	 	 	 		 	 	 	 		160) (00
																				-			_	_
695	delinquent	li	ce	nse	s	is	sue	$^{\mathrm{ed}}$	 	 	 	 	 	 	 	٠.	 	 	 ٠.	 	\$1	,849	} {	50

Fees from July 1, 1921, to September 30, 1921:

4.312 firms employing 359.146 persons paid

4,012	mins employing obo,140 persons paid			vv
203	theatres paid	,	. 904	00
253	hotels paid	,	. 621	00
4,768	licenses issued		.\$12,833	00
695	delinquent licenses issued		. 1,849	50
5,463	license fees turned into State Treasury		.\$14,682	50

\$11.308.00

Twenty-two firms reported that they have closed during 1921.

Forty-nine firms have reduced the number of employes to less than five for 1921.

One hundred and nine firms are reported out of business.

Classified as to industry: Hotels, 3; theatres, 8; manufacturing vehicles, 4; manufacturing clothing, 2; drain tile manufacturing, 3; laundries, 2; canneries, 2; tire and rubber, 4; coal mines, 8; lumber, 7; machine shops and tools, 9; furniture, 2; flour, feed, etc., 9; bakery, grocery and meat markets, 6; meat packers, 1; general contractors, 5; autos and parts, 4; general merchandise, 9; manufacturing ice, 2; printing, 2; paper pulp manufacturing, 2; restaurants, 1; miscellaneous, 15.

Nine hundred and twenty-one firms have not reported and are now delinquent.

DETAILED FINANCIAL STATEMENT FOR BOARD

Financial receipts and disbursements for the fiscal year ending September 30, 1921.

RECEIPTS

Appropriation	\$111,500	00
DISBURSEMENTS		
Salaries—		
Board members		
Secretary 2,500 00		
Chief inspectors 6,950 00		
Assistant inspectors		
Four reporters 6,270 00		
Five stenographers 5,906 67		
Eleven clerks 12,352 25		
	\$74,914	99
Traveling Expense—		
Board members \$2,322 97		
Reporters 2,347 51		
Chief inspectors 1,347 71		
Assistant inspectors		
	20,618	33
Office Expense—		
Printing\$3,853 72		
Supplies		
Postage 1,854 47		
Telephone		
Telegrams		
Express		
Furniture and equipment		
Tabulating machine rent		
Physicians fees		
Compensation to M. Sonday		
	10,186	30
Turned back into State Treasury	5,880	38
	\$111,600	00
COLLECTIONS	*/	
5,463 license fees		50
125 transcript fees		
45 watercraft fees	225	00

Total collections deposited with State Treasurer...... \$16,624 60

DEPARTMENT OF FACTORY AND BUILDING INSPECTION

PERSONNEL

JAMES E. REAGIN, Chief Inspector, Terre Haute.
LUCILLE C. O'BRIEN, Secretary, Indianapolis.
E. C. CALLAHAN, Assistant Inspector, Terre Haute.
WILLIAM HENDRICKSON, Assistant Inspector, Connersville.
ED. T. LOVE, Assistant Inspector, Elwood.
WILBUR NUSBAUM, Assistant Inspector, Gary.
J. E. STICKELMAN, Assistant Inspector, Evansville.
ELMER YOCUM, Assistant Inspector, Indianapolis.

Following is the annual report for the year ending September 30, 1921:

umber of inspections	 2,389
umber of consultations	 106
umber of orders issued	 6,508
umber of fire escapes ordered	 33
umber of fire escapes accepted	 20
Sumber of hotels inspected	 145
fumber of schools inspected	
Sumber of theatres inspected	 27
Vatercraft	 30
umber of accidents	 34,396
umber of fatal accidents	

Inspection laws, as enacted by the legislature of March 6, 1911, set forth the duties of this department as follows: Inspection of factories, school buildings, hotels, and in fact all buildings where public gatherings are held.

On March 8, 1915, the industrial board of Indiana was organized and assumed the responsibility of all inspection laws. The state is divided into five sections and each section is placed under the supervision of an inspector operating from this office. In visiting the different cities, towns and rural districts, careful survey is made as to the safety of the public in general. At the same time all complaints received at the office are given prompt and careful attention by the chief inspector. The co-operative spirit of the public is manifested by the cheerful acceptance of all orders. There has been a very small per cent of appeals.

As a measure of precaution, a law should be passed prohibiting the sale and installation of any machine, or machines, being placed in the state without being properly safeguarded or encased. This would aid greatly in the prevention of accidents.

REPORT OF THE BOILER DEPARTMENT

PERSONNEL

J. F. GEIGER, Chief Inspector, Princeton.

J. P. CONNAUGHTON, Assistant Inspector, Indianapolis. WILLIAM V. GRIFFER, Assistant Inspector, Indianapolis. THOMAS GRIFFITHS, Assistant Inspector, Logansport. CHARLES H. HULL, Assistant Inspector, South Bend. BERTHA M. BYERS, Secretary, Indianapolis.

Following is the annual report of the Department of Inspection of Boilers for the fiscal year ending September 30, 1921:

STATISTICAL ANALYSIS

Showing the number and different kinds of boilers inspected, the number of recommendations and number condemned by the state inspectors:

INSPECTORS	н. т.	W. T.	V. T.	F. B.	CIS.	S. M.	Tanks and Kettles	Total	Orders Issued	Con- demned
J. P. Connaughton. William V. Griffer Thomas Griffiths Charles H. Hull Total.	439 462 286 349 1,536	78 105 63 55 301	151 85 17 91 338	69 34 66 78 247	69 50 27 74 220	31 4 7 21 63	10 5 1 1 1 17	847 745 467 669 2,728	804 347 113 189 1,453	33 13 13 3 62

Showing the number and different kind of boilers inspected and the number condemned by the insurance companies' inspectors and state inspectors:

	No. of inspections	No. condemned
Number of horizontal tubular boilers	. 5,899	97
Number of water tube boilers	. 2,089	7
Number of vertical tubular boilers	. 1,157	32
Number of fire box boilers	. 1,010	10
Number of cast iron boilers	. 636	2
Number of marine boilers	. 148	0
Number of tanks, kettles and drums	. 475	2
Total	. 11,414	150

The past years' quota of inspection made by the insurance companies is less than 1920, due to a number of plants being closed down for the year. The state department inspections show a slight increase.

The following table states the number of inspections made by the insurance inspectors and the state department inspectors in the last five years:

Total	number	of	boilers	inspected	in	1917
Total	number	of	boilers	inspected	in	1918 9,260
Total	number	\mathbf{of}	boilers	inspected	in	1919
Total	number	\mathbf{of}	boilers	inspected	in	192013,264
Total	number	of	boilers	inspected	in	1921

During the year two bad accidents were caused by the explosion of second-hand boilers, which had been installed without notifying this department, so the necessary inspections could be made.

At Riley, March 21, 1921, a boiler used at a coal mine exploded, fire box and tube collapsed, throwing the boiler high into the air and falling about a hundred yards from where it was setting. The engineer was scalded and blown into the shaft, but was not seriously injured.

At Owensville, September 6, 1921, a boiler used at an oil well exploded, fatally injuring two men, while getting boiler ready to operate. The rear head gave way, the reaction of the escaping steam caused the boiler to plow into earth for about twenty-five yards.

After the above explosions the two boilers were examined and found to be badly deteriorated and should not have been put in service.

At Peru, September 26, 1920, and at South Bend, October 15, 1921, two fatal accidents occurred through lack of judgment of the amount of pressure that should be applied. The accidents were caused by applying an air pressure in two oil containers, testing them for leaks. The tanks were connected to a high pressure line, which was greater than they were constructed for, causing them to explode and fatally injuring two men.

At Indianapolis, June 17, 1921, an engineer was blowing down boilers into a blow-off catch basin. After blowing down the first boiler, started to blow down the second immediately. A pressure was accumulated in the catch basin, causing the top head to give way, fatally injuring him.

The above accidents are unusual, but show that there is a lesson to be learned from nearly every accident, and in order to prevent similar mishaps, as far as possible, it would be well if all accidents were reported, and an inspection made to determine the cause. There would be more precaution taken to prevent further accidents.

REPORT OF THE DEPARTMENT OF MINES AND MINING

PERSONNEL

CAIRY LITTLEJOHN, Chief Deputy Inspector, Indianapolis. FLORENCE M. BIGGS, Secretary, Indianapolis.
A. C. DALLY, Assistant Inspector, Knightsville.
JOHN ELLISON, Assistant Inspector, Winslow.
THOMAS GILLESPIE, Assistant Inspector, Bicknell.
JOHN STEVELY, Assistant Inspector, Clinton.
S. J. WILTON, Assistant Inspector, Carbon.

This report will follow the usual lines as regards to statistics, etc., as given in previous reports.

The department has received greater co-operation from the operators and miners in our efforts to reduce mining hazards than ever

before, but the number of injured as reported to the industrial board clearly demonstrates the necessity of closer supervision, individually and collectively, over those engaged in mining, ere any substantial progress can be expected.

I have suggested the employment of safety engineers at mines employing fifty or more men, whose duty would be to continually patrol

his section of the mine, enforcing necessary safety precautions.

The cost of this arrangement would be met by reduced insurance risks, increased efficiency of the miners, and by leaving the mine boss free to devote his energies wholly to the output of coal. This, or some similar arrangement, should appeal to the operator from an economical viewpoint. It is certainly attractive from a humane consideration. It would be an effective way of translating into an active working principle the slogan of "Safety First."

FIRST AID

The first aid movement received greater encouragement throughout the mining field than in preceding years.

The sixth annual state first aid meet was held at Bicknell, Knox County, July 2, 1921, under the auspices of the U. S. Bureau of Mines, Indiana Coal Operators Association, District No. 11 United Mine Workers of America, Bicknell First Aid Association, and the State Department of Mines and Mining, at which twenty-three teams participated. The problems submitted for solution were prepared by the U.S. Federal Bureau of Mines, and the work of each team was graded by competent physicians.

A first aid team consists of a captain, patient, and four trained first aid men.

The team awarded first place was from Jackson Hill Coal & Coke Company, Mine No. 5, entitling it to the state championship cup, and expenses paid to the National First Aid Meet at St. Louis, September 1, 2, 3, 1921.

The second place went to the team from Tecumseh Coal Company, No. 1 Mine, with expenses paid to the St. Louis meet.

The third place was awarded to the team from Vigo Mining Company, Mine No. 27, with expenses paid to the St. Louis meet.

Each team in the contest was awarded a prize. The weather was ideal, the crowd was large and appreciative, the management was efficient, courteous and hospitable, the banquet and speeches following were very satisfying, and in every essential the meet was the most successful of the many state meets held.

Much credit is due Governor McCray for his personal interest in the meet, and paying the expenses of one team to the St. Louis National Contest at St. Louis.

The next first aid state meet will be held at Sullivan, Sullivan County, at a date yet to be determined.

On August 8, 1921, the Miami Coal Company of Vermillion County, one of the largest coal producing companies in the state, held a first aid meet, of the teams from their mines, at Clinton.

There were four teams entered, and the team winning first place was sent to the St. Louis meet, with expenses paid by the company. This was a very enthusiastic and spirited contest, resulting in a tie between the team from Miami Mine No. 10, captained by David Lawson, and Miami Nos. 8 and 9, captained by George McNair for first place. Another problem was submitted to these teams which also resulted in a tie. On a "toss up" the team captained by David Lawson won first place.

Much interest is manifested towards the first aid movement in the Clinton field. Teams have been organized among the students attending the schools of Clinton, and we hope other localities, especially in the mining fields will follow the example set by the schools of Clinton.

This department is earnestly striving to awaken an interest in the teaching of first aid in our public schools.

A contest among first aid teams from our public schools would be an inspiring demonstration. We would not have the sport contest eliminated, but I believe first aid contests and first aid instructions and practice should receive as much consideration as baseball, basketball and football.

No person should have charge of a body of men at the mine who is not efficient in rendering first aid. The purpose of first aid is: To remove injured from danger zone, to restore suspended respiration, to relieve shock, splint and bind fractured limbs, stop hemorrhage, and prevent infection of open wounds.

To do so, there should be available at all times an ample supply of first aid material. In order to further advance an interest in this work, we require applicants for certificates of competency to act as fire boss, mine boss and hoisting engineer, to answer certain questions regarding the proper manner to render first aid in case of accidents that so frequently occur at the mines.

Every encouragement possible should be used to induce men working at the mines to take first aid training.

Many coal companies have gone to considerable expense in equipping and training their men in first aid. There should be a first aid team at each major mine in the state.

MINE RESCUE AND FIRST AID

We have been striving for more than two years to obtain a mine rescue and first aid training station at Terre Haute, Indiana, under the direction of the federal bureau of mines, but owing to the lack of appropriations available for such purposes, we have made little progress.

The federal bureau of mines has a station of this character at Evansville and Vincennes. The Knox County Operators' Association has a station at Bicknell with a well trained mine rescue and first aid team, fully equipped, under the efficient management of John Ogilvie, ex-state mine inspector.

The federal government has done much through the bureau of mines towards establishing higher standards of safety and the training of men in mine rescue and first aid work, but owing to the fact that the appropriation for this work is necessarily limited, we think it advisable that the State of Indiana should do her part to help bear the expenses incident to the maintenance of thoroughly equipped mine rescue stations at Evansville, Vincennes, and Terre Haute.

Stations thus located, with approved equipments and thoroughly trained crews, would be available to serve all sections of the Indiana mining fields very expeditiously.

There are incidents in which the federal government has made appropriations of certain sums of money for certain purposes in states, contingent upon the state appropriating a like sum of money for the purpose set forth. I see no reason why Indiana should not be in the forefront of a movement of this kind, and steps should be immediately taken to bring about this arrangement at the next session of the General Assembly. I know of a certainty that the congressmen from the districts representing the mining fields, and the U. S. senators from this state, are willing to render every assistance possible to bring about some such workable arrangement. We believe that the state should devise a method to bear her burden of the expense without entailing any additional monetary obligation.

An assessment of ¼ cent per ton of all coal mined in the state, and a small license fee to secure the registration of all coal mine operations, will raise ample funds to bear the state's burden in this enterprise. The small amount thus added to the cost of coal would be borne by those who consumed the product, without any complaint whatever.

I am giving this proposition as a suggestive solution to the establishment of these mine rescue and first aid stations on a permanent basis. We would thus have in centrally localized fields, not only a means of immediate relief in rescue and first aid work, but a school of efficient men in which persons may receive instructions in mine rescue and first aid work.

An explosion usually leaves a mine with the ventilating machinery and air courses considerably damaged, and the mine charged with deadly gases. No person should be permitted to enter the mine even with the use of oxygen helmets unless he is physically fit and thoroughly trained in the use of same. This will require constant practice in the use of the helmet in order to insure any degree of safety to the person or persons using same.

At the present time there is only one rescue team kept to a standard of efficiency in the state, and this team is maintained by the Knox County Operators' Association at Bicknell.

Mine rescue work is of the most hazardous character. Without the use of approved oxygen helmets in the hands of well-trained men, no entrance to a mine should be attempted after an explosion, until the ventilation has been restored. Entrance should be made only by the intake air, with a crew of experienced men, after assurance is made that there has been no fire caused by the explosion. The rescue crew should be under charge of a competent leader, and composed of level-headed men, equipped with necessary lamps for the detection of gas, and with necessary material to restore blown-out stoppings so that they will be able to take fresh air with them in their progress through the mine.

Several lives have been lost in the mining industry during the past year due to the hasty action of men whose zeal to rescue their fellow workers, coupled with their ignorance of the nature of the deadly afterdamps, has led them beyond the safety zone, and were overcome ere they were aware of the deadly nature of the gas that they were inhaling.

All mine bosses and fire bosses should be thoroughly trained in the proper method of mine rescue work, to the end that no useless sacrifice of life may occur through carelessness and foolhardy attempts to enter places known to contain the deadly gases.

STRIP MINING

Through the courtesy of Michael Scollard, secretary of the coal producers association, the following facts regarding strip mining are available for our report:

"Stripping the overburden of coal seams has resulted in the recovery of much coal that could not otherwise be recovered, owing to the nature of the overlying strata.

Large steam shovels are used in removing the overburden, which ranges from ten to forty feet. These shovels are equipped with dippers of five to eight yards capacity, and booms ranging from seventy-five to one hundred twenty-five feet in length.

There are twenty-three steam shovels operating in Indiana at this time, located in Owen, Clay, Greene, Sullivan, Pike, Warrick and Vermillion counties, employing 1,143 persons.

The amount of coal thus produced for the fiscal year ending September 30, 1921, was 951,693 short tons, at a labor cost in wages of \$2,004, 194.75.

The strip operators formed an association in July, 1918, known as The Indiana Coal Producers Association. The officers are: George G. Rowland, president; R. H. Sherwood, vice-president, and Michael Scollard, secretary and treasurer, with offices at 723 S. Sixth Street, Terre Haute, Indiana.

The secretary adjusts all labor controversies with the officials of the United Mine Workers of America, with whom they have a separate contract aside from the Deep Vein agreement.

During the year there was one fatal, one permanent, sixteen serious, and forty-two minor accidents.

The total expenditure in the stripping industry was approximately \$2,500,000.00."

THE FOLLOWING IS THE REPORT OF ACCIDENTS DURING THE FISCAL YEAR ENDING SEPTEMBER 30, 1921, IN WHICH TWO OR MORE PERSONS LOST THEIR LIVES

December 31, 1920, three persons were killed by gas explosion at the Vigo Mining Company's No. 28 mine, Sullivan county.

Ed Gillespie, loader, age 22, dependents, wife and two children. Claude Gillespie, loader, age 34, dependents, wife and five children. Ferman Flinn, driver, age 22, dependents, wife and one child. On February 11, 1921, an explosion of a keg of powder caused by a blown out shot occurred at McClelland No. 1 mine, McClelland Coal Company, Vigo county, by which two persons lost their lives from afterdamps.

Otis Purcell, age 22, shotfirer, dependents, wife and one child. Curtis Myers, age 34, shotfirer, dependents, wife and one child.

February 17, 1921, there was a gas explosion at the New Liberty mine of the Big Four Coal Company in Gibson county, by which four persons lost their lives.

Clyde E. Rinehart, age 20, miner, one dependent. Norman Davis, age 35, miner, two dependents. Thomas R. Cochrum, age 39, miner, two dependents. Wesley Bilderback, age 48, miner, eight dependents.

On November 5, 1920, a fall of slate in a room at the Island Valley Mine No. 3, United Fourth Vein Coal Company, Clay county, and caused the death of two.

Everett Neal, age 32, miner, dependents, wife and one child. Dougal Malcom, age 40, fire boss, dependents, wife and four children.

REPORTS RECEIVED BY THIS DEPARTMENT INDICATE THE FOLLOWING INSPECTIONS FOR THE FISCAL YEAR ENDING SEPTEMBER 30, 1921:

Inspectors	Number of Regular Inspections	Special Calls	Orders Issued
John Ellison. Albert C. Dally William Green Thomas Gillespie John Stevely S. J. Wilton Totals	15 126	9 60 47 46 33 195	245 236 23 9 117 89

ACCIDENTS, EMPLOYMENT AND AIR, AND TONNAGE AND WAGE REPORTS, AND MINE MAPS

All accidents to employes at mines are required by law to be reported to this department. The total number of accidents reported to this department for the fiscal year ending September 30, 1921, was 1,769, while the total number reported to the industrial board was 4,851. Hence there were 3,082 accidents to employes that were not reported to this department. Quite a number of coal companies are dilatory in sending the monthly reports on employment and air measurement, and tonnage and wage reports as required by law. This evasion of the law will receive prompt attention. These reports are matters of permanent record, and must be accurate and authentic, filled out properly and in full, attested by the party authorized to make the reports from each mine.

A copy of Accident Report, Form M-No. 4; Employment and Air Report, Form M-No. 2; Tonnage and Wage Report, Form M-No. 1, is hereto attached.

INDUSTRIAL BOARD OF INDIANA
DEPARTMENT OF INSTRUCTION OF MINES AND MINING
Room 413 State House, Indianapolis, Ind.
Old Phone, Main 6923

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	of County, Indiana, in County Indiana, for the	of County, Indiana, in

Form M-No 1

DISTRIBUTION	E	Other States		:	:		:									
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		GRAND			:	:			F IMPRO							
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Form M-1

MONTHLY REPORT OF MINES

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Form M-2

IND	UST.	RIAL	BOARI	OF	INDIA:	NA
		Depar	tment o	f Mir	ies	
Room	413	State	House.	India	napolis.	Ind.

Mail This Report to the Mine Inspector on the First Day of Each Month

Sin: Find below the report of No	Cc	ounty, Ind	, for the	Month of	1891, also		92 Company's 192 of air splits
made in said mine as required by Section AIR MEASU	n 17 of sai	d Act.					
Date of Measurement	Date	Date	Date	Date Date	Date	Split No.	Men on Entry
At Down Cast							
At Up Cast							
At Last Breakthrough							
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Form M-2

MONTHLY REPORT

OF

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EMPLOYES

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Machine Helpers	
Loaders	
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Inside Day and Monthly Men	
Outside Day and Monthly Men	· · · · · · · · · · · · · · · · · ·
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Number of Days Worked	
Number of Mules Used	
Days Idle on Account of No Sales	
Days Idle on Account of No Cars	
Days Idle on Account of Strikes	
Days Idle on Account of Funerals	
Days Idle on Account of Other Causes	
Total Number of Days Idle	
Number of Minor Accidents	
Number of Serious Accidents	
Number of Permanent Accidents	
Number of Fatal Accidents	
Give reasons for days lost on account of str	rikes

Remarks*

Form M-No. 4

Old Phone, Main 6923 INDUSTRIAL BOARD OF INDIANA EPARTMENT OF INSECTION OF MINES AND MINING Room 413 State House, Indianapolis, Ind. W. Mine operated by the	We report today the following accident occurring accident occurring accident occurring accident occupation. His injuries consist of	nd are considered	nd leaves as dependents	REMARKS failly the cause of accident and conditions surrounding same.	Date of reporting. Nors. Fill out blank and return to this office immediately when an accident occurs at Nors. Fill out blank and return to this office immediately when an accident occurs at Name and address of person in charge of the mine at time of accident. Fatal accidents should be reported to this office at once by telegram or telephone.

CHANGES IN OWNERSHIP AND MANAGEMENT OF MINING PROPERTY

GREENE COUNTY

Tower Hill Coal Company—Tower Hill Mine, Midland, Indiana—To Rebecca Coal Company, Midland, Indiana, September 6, 1921.

PIKE COUNTY

Big Muddy Mining Company—Big Muddy Mine, Hartwell, Indiana --To Hartwell Coal Company, Winslow, Indiana, April 16, 1921.

Wulfman, O. C., Mining Company—Winslow No. 2, Winslow, Indiana—To Winslow Mining Company, Winslow, Indiana.

SULLIVAN COUNTY

Black Comet Coal Company—Black Comet Mine, Sullivan, Indiana— To Enterprise Coal Company, Sullivan, Indiana, July, 1921.

Mayflower Coal Company—Mayflower No. 1 Mine, Shelburn, Indiana—To The Cummins Coal Company, Shelburn, Indiana, November 15, 1920.

VIGO COUNTY

Pine Ridge Mining Company—Pine Ridge Mine, New Goshen, Indiana—To L. G. Binkley Coal Company, West Terre Haute, Indiana, August 17, 1921.

Shelby Coal and Clay Company—Sterling No. 2 Mine, Terre Haute, Indiana—To G. Howell Coal Company, Center Point, Indiana, February 1, 1921.

Soules, Wm., Coal Company—Soules Mine, Terre Haute, Indiana—To Durand Coal Company, Inc., Terre Haute, Indiana.

Sugar Valley Coal and Mining Company—Sugar Valley No. 1 Mine, West Terre Haute, Indiana—To Sugar Valley Mining Company, Terre Haute, Indiana, September 1, 1921.

28, 1921 9, 1920 2, 1921 1, 1921

TABLE OF NEW MINES

CLAY COUNTY

NAME OF COMPANY	NAME OF MINE	Location	Num- ber of Seam	Pick or Ma- chine	Block or Bi- tumi- nous	Thick-Depth of of of of of Mine Seam in Feet Feet	Septh of Mine in Feet	Size of Shaft in feet	Railroad	Date of First Shipment
Kunkleman & Bennie Coal Co.	Primrose No. 3	N. W. ½ S. 34 R. 7 Tp. 9 W	IV	Pick	Bitu.	2,	30,	5½x9	C.T.H.& S.E	Oct. 1, 1920

GREENE COUNTY

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36' 133' 27'
4′10″ 6′
D. W. V Pick Bitu.
Pick Pick Pick
VI III V
S. 26 Tp. 7 R. 7 N. E. off S. 26. IV Pick Bitu. 4. S. N. W. S. 20 Tp. 7 D. N. R. N. D. W. V Pick Bitu.
No. 1 Tower Hill No. 1 Nos. 4 and 5 J. & M. No. 1
Booher Coal Company. Tower Hill Coal Company Persons Coal Company J. & M. Coal Company

PARKE COUNTY

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SULLIVAN COUNTY

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Birchwood No. 1 Baker No. 1 Hocking No. 2. Six Veins No. 1
Birohwood Coal Company Glendora Coal Company Republic Coal Company Six Veins Coal Company

VERMILLION COUNTY

Newport Coal Mining Company Newport No. 1	Newport No. 1	S. E. 1/4 S. 23 R. 9 D. W. Tp. Vermillion. Min- shall		Pick	Bitu.	2,6"	110′	7'6"x11'6" C. & E. I.	C. & E. L	
		VIGO COUNTY	ΤŢ							
Clovelly Coal Company Clovelly Coal Company Deep Fourth Vein Coal Co Sisters of Providence. Burnett Coal Company	Bardyke No. 1. Talleydale No. 1. Deep Vein No. 1. St. Mary. Burnett No. 2.	N. E. of N. E. S. 19 Tp. 13 N. R. 9 W N. W. of S. W. 34 S. 20 Tp. 13 R. D. W. S. E. ½ of S. 18 Tp. 12 R. 9 D. S. E. S. E. S. 6 Tp. 12 D. S. R. 9 S.	ANI A	Both Both Mach Pick Pick	Bitu. Bitu. Bitu. Bitu.	6,8% 4,4%	338, 268, 342, 240,	9/8"x15/8" 9/8"x15/8" 16/6"x 8/7" 19/4"x 7/6"	C. T. H. & S. E. C. T. H. & S. E. P. C. C. & St. L. Consumed	Jan. 1921 Feb. 1, 1921 Sept. 15, 1921 Sept. 20, 1921

THE FOLLOWING IS A LIST OF THE ABANDONED MINES, AS SHOWN BY OUR RECORDS, FOR THE FISCAL YEAR ENDING SEPTEMBER 30, 1921

CLAY COUNTY

NAME OF COMPANY	NAME OF MINE	Geological number of Seam	Date of abandon- ment	Railroad						
Brazil Block Coal & Clay Company. Franklin & Lowish Coal Company. Kunkelman & Bennie Coal Company. Miller Coal Company.	Crawford No. 12. Lowish No. 1. Primrose No. 2. Miller No. 1.	IV III IV III	4- 3-21 1-19-21 1-24-21 8- 1-21	C. & E. I. P C. C. & St. L. C. T. H. & S. E. Pa.						
	GREENE COUNTY									
Liberty Coal Company	Liberty No. 1	V IV	2- 2-21	C. I. & L. C. T. H. & S. E.						
	. KNOX COUNTY	-								
Bicknell Coal Mining Company	Bicknell No. 1	v	1- 9-21	Pa.						
PARKE COUNTY										
Zeller-McClellan & Co., Inc	No. 6	Lower Vein.	1-17-21	C. I.						
	PIKE COUNTY									
Ayrshire Coal Company	Ayrshire No. 4	v	7- 1-21	Southern						
	SULLIVAN COUNTY									
Rowland-Power Collieries Co	Powers Vigo No. 14 Mildred No. 13	VI VI VI	321 2- 2-21 12-31-20	I. C. C. I. & L. C. & E. I.						
	VERMILLION COUNT	Υ								
Clinton Coal Company	Crown Hill No. 8 No. 3	V IV	1-31-21 1-19-21	C. & E. I. C. & E. I.						
	VIGO COUNTY									
Crawford Coal Company Deep Fourth Vein Coal Company Dry Fork Coal Company Shelby Coal and Clay Company Western Indiana Mining Company	Foxden. Deep Vein No. 1. Dry Fork No. 1. No. 1 Mine. Minshall.	III IV III IV Minshall	2-10-21 4-30-21 12-20-20 3-19-21 121	C. & E. I. P. C. C. & St. L. C. & E. I. C. & E. I. Big Four						
	WARRICK COUNTY									
Big Four Coal Company	No. 3	V .	9- 1-21	Southern						

TABLE

Showing Number of Miners, Machine Runners and Helpers, Loaders, Inside Day and Monthly Men, Persons Employed Outside; Total Number of Employes at each Mine; Number of Days worked and Number of Mules Used; Totals by Counties; the Block and Bituminous Mines Shown Separately for the Fiscal Year Ending September 30, 1921.

BLOCK PICK MINES

CLAY COUNTY

		OLAI					
Name of Mine	Average Monthly Pick Miners	Average Monthly Inside Employes	Average Monthly Outside Employes	Average Monthly Total Employes	Days Worked	Average Monthly Mules Used	Powder
American Vitrified	10 18 24	$\begin{array}{c} 31/2 \\ 11 \\ 10 \end{array}$	2½ 10 5	18 39 39	232 128 92	2 3 4	139 614 634
Plymouth No. 2	201/2	$4\frac{1}{2}$	4	29	184	3	832
Total	721/2	29	21½	125	636	12	2,219
Putnam	10	OWEI	N COUNTY	17	77	4	139
Total	10	3	4	17	77	4	139
·		PARK	E COUNT	Y			
Carbon Hill (New Mine) Frog Pond	19		4	28	101	2	675
Total	19	5	:4	28	101	2	675

BLOCK MACHINE MINES

CLAY COUNTY

Name of Mine		Average Monthly Machine Runners and Helpers	Monthly	Monthly	Average Monthly Outside Em- ployes	Average Monthly Total Em- ployes	Days Worked	Average Monthly Mules Used	Powder
Brazil ClayOld Glory	31	4 8	7 38	$\frac{6\frac{1}{2}}{20}$	2 9	19½ 106	308 74	3 3	70 719
Total	31	12	. 45	26½	11	1251/2	382	6	789
	,		PARKE	COUNT	Y		,		

Ames No. 1Zeller No. 6.	2 8	9 26	$\frac{4}{30\frac{1}{2}}$	4½ 9½	19½ 74	77 81	1 7)2	43
Total	10	35	341/2	14	931/2	158	812	50

BLOCK MACHINE MINES-Continued

VIGO COUNTY

Name of Mine	Monthly	Average Monthly Machine Runners and Helpers	Average	Monthly	Average Monthly Outside Em-	31 41.7	Days Worked	Average Monthly Mules Used	Powder
Mary No. 2	2 4 6	12 6 18	29 9 38	28 13 41	14 6 20	85 38 123	Permis 133 94 227	sible, lbs. 8 3½ 11½	685 255 38 293

BITUMINOUS PICK MINES

CLAY COUNTY

Name of Mine	Average Monthly Pick Miners	Average Monthly Inside Employes	Average Monthly Outside Employes	Average Monthly Total Employes	Days Worked	Average Monthly Mules Used	Powder
Bolt No. 1. Boyer No. 1. Cloverland. Hamlin-Heck. Hyde No.1(Working less than	35 8 58 45	3 2 16 14	3 2 7 6	41 12 81 65	45 20 169 148	8 7	689 4,091 2,586
10 men)	65	29	14	106	59	8	1,635
Lowish No. 1. Miller No. 1. Primrose No. 2. Primrose No. 3. Red Rag. South Side No. 1. White Ash.	59 49 15 21 49 37 31	20 15 5 4 23 15	9 8 2 3 11 9	88 72 22 28 83 61 43	47 169 55 80 16 46 118	7 4½ 3½ 2 5 5 4	1,288 2,838 282 627 410 853 1,600
Total	472	155	77	704	972	5 8	16,899

DAVIESS COUNTY

Montgomery No. 4 Oak Grove No. 1 Riverside No. 1 (See Bitu- minous Machine)	93 10	80 4	18 4	191 18	191 117	19 2	4,906 503
Sunnyside No. 1	7	$2\frac{1}{2}$	3	$12\frac{1}{2}$	184	2	492
White River	27	6	7	40	161	3	672
Total	137	92½	32	271½	653	26	6,573

GIBSON COUNTY

Buckskin No. 2	141	21	10	98	147	11	3,509
Francisco No. 1		51	18	210	97	16	4,642
Gudgel No. 1		36	11	152	103	12	4,210
Total	313	108	39	460	347	39	12,361

BITUMINOUS PICK MINES—Continued

GREENE COUNTY

		GIGER	ME COOM				
Name of Mine	Average Monthly Pick Miners	Average Monthly Inside Employes	Average Monthly Outside Employes	Average Monthly Total Employes	Days Worked	Average Monthly Mules Used	Powder
Calora No. 2	17	7	2	26	43	3	388
Big Twelve. Booher. Jewel No. 2. Queen No. 2. Sleepy Eye. Tower Hill. J. & M. Persons No. 4. Persons No. 5.	31 60½ 51 39 41 25 8	$9 \\ 9 \\ 21 \\ 8 \\ 22 \\ 10 \\ 7 \\ 4^{1/2}$	7 6 7 6 ¹ / ₂ 12 5 4	47 75½ 79 53½ 76 40 19 5½	64 48 125 76 156 98 67	4 6 6 10 6 2	1,370 1,280 3,075 1,181 2,908 1,719 59
Spring Valley No. 1	76 100	24 55	16 21	116 176	70 91	10 15	1,803 4,505
Total	448½	176½	87½	711½	838	62	18,288
:		KNO	X COUNTY	7			
Lynn No. 1	49	26	10	85	146	15	3,836
Total	49	26	10	85	146	15	3,836
		PIKE	E COUNTY		٠.		
Beech 3 and 4	53	15	7	75	43	6	713
(See Bituminous Machine)	28	8	4½	40½	112	3	1,400
Gladstone. (See Bituminous Machine) Hartwell. Muren.	17	13	2	22	23 .	2	206
(See Bituminous Machine) Winslow No. 2. (New Mine)							
Total	98	36	13½	137½	178	11	2,319
		SULLIV	'AN COUN	TY			
Star City No. 7. Busram No. 1. Cummins No. 1. Hymera No. 2. (See Bituminous Machine)	23 - 51 4	7 13 4	6 6 5	36 70 13	69 69 6	3 2 1	866 1,797 4
Keeley No. 1	.38 38	7 16	7 9	52 64	18 165	3 7	379 5,409
(See Cummins) Powers No. 11. (Not operating) Rood No. 1. Rose Hill No. 1 Shallow Valley.	99 68	42 21	12 9	153 98	71 84	17 6½	3,389 2,523
(No report) Six Veins No. 1. St. Clair Steel-Kattman. Syndicate No. 1 Vigo No. 29. Virginia No. 1	18½ 16 91 33 59	7½ 4 37 11 13	6 3½ 12 5 9½	32 $23\frac{1}{2}$ 140 49 $81\frac{1}{2}$	101 112 72 160 269	1½ 2 15 9 5	756 814 3,026 2,885 6,551
(Šee Bituminous Machine) Total	538	182	90	810	1,196	72	28,399

YEAR BOOK

BITUMINOUS PICK MINES-Continued

SPENCER COUNTY

Name of Mine	Average Monthly Pick Miners	Average Monthly Inside Employes	Average Monthly Outside Employes	Average Monthly Total Employes	Days Worked	Average Monthly Mules Used	Powder
Fox HillOak Knob	9 17 26	5 4 9	2 3 5	16 24 40	67 79 146	3½ 3½ 7	393

VANDERBURGH COUNTY

Crescent	55	51 15	19	196 79	221 183		8,071 2,689
Total	181	66	28	275	404	16½ .	10,760

VERMILLION COUNTY

Bickett No. 1	148 94 33 116 110 87 99 34	44 29 21 44 31 34 28 15	9 15 8 19 11 14 11 9	201 138 62 179 152 135 138 58	116 111 36 178 153 67 101 73	16 	10,655 5,786 757 9,287 7,074 3,547 6,162 1,720
(See Bituminous Machine) Essanbee No. 1. Interstate. Jackson Hill 6. Keller No. 2. Keller No. 3. Keller No. 5.	$\begin{array}{c} 209 \\ 146 \\ 174 \\ 128\frac{1}{2} \\ 36\frac{1}{2} \\ 96 \end{array}$	68 39 44 36 29 44	35 16 16 12 7 $13\frac{1}{2}$	320 201 234 $176\frac{1}{2}$ $72\frac{1}{2}$ $153\frac{1}{2}$	173 133 166 156 65 196	18 1 7 ¹ / ₂ 11	15, 992 11, 603 16, 761 11, 464 1, 340 9, 680
Newport (New Mine)	150 145 54	37 66 22	12 18 14	199 229 90	159 Perm 106 213	issible, lbs. 12 5	15, 487 6, 700 5, 044 6, 918
(See Bituminous Machine) Whitcomb.	1,907	649	8 247½	73 2,803½	128 2,330 Perm	128 issible, lbs.	3,375 142,665 6,700

VIGO COUNTY

						1	,
Durand No. 1		4	2	16	195	2	1,109
(See Bituminous Machine) Black Hawk. Burnett. Clovelly. Crawford No. 1.	148 128 127 42	53½ 19 51 13	17 7 13 $7\frac{1}{2}$	$218\frac{1}{2}$ 154 191 $62\frac{1}{2}$	144 108 97 213	17 14 15 6	11,300 5,081 7,604 3,302
Deep Vein	118	$ \begin{array}{c} 23 \\ 18\frac{1}{2} \\ 32 \end{array} $	10 14 12	$ \begin{array}{r} 68 \\ 150\frac{1}{2} \\ 133 \end{array} $	149 135 53	6 17 15	1,948 4,044 1,729
Foxden (No reports) Foxworthy							
(Working less than 10 men) Glenco	163	24 10	9 7	196 114	125 122	16 11	8,860 6,447

BITUMINOUS PICK MINES-Continued

VIGO COUNTY-Continued

Name of Mine	Average Monthly Pick Miners	Average Monthly Inside Employes	Average Monthly Outside Employes	Average Monthly Total Employes	Days Worked	Average Monthly Mules Used	Powder
Hein	12 117 77 103 245 356 218 125 50 172 24 134 2	4 45 42 45 83½ 109 89 28 30 38 7½ 21 2½	$\begin{array}{c} 2\\ 14\\ 18\\ 6\\ 12\\ 24\\ 21\\ 10\\ 15\\ 4\\ 101/2\\ 2\\ \end{array}$	18 176 137 154 390 ¹ / ₂ 487 328 164 90 224 35 ¹ / ₂ 166 22 ¹ / ₂	218 194 105 279 258 273 188 86 36 145 134 119	3 15 14 10 23 27 23 27 23 8 29 20 3 10	1,081 11,769 5,103 15,757 27,886 42,611 18,165 3,436 1,447 11,460
Richards (New Mine) Riley Riverside Sanford No. 2 Shirkie No. 1 Sterling	38 56 76 120	$\begin{array}{c} 9\\ 23\frac{1}{2}\\ 26\\ 25 \end{array}$	$\begin{array}{c} 6 \\ 6 \\ 13\frac{1}{2} \\ 11 \end{array}$	$\begin{array}{c} 53 \\ 75\frac{1}{2} \\ 105\frac{1}{2} \\ 156 \end{array}$	113 85 174 152	5 17 17 11	1,725 2,440 5,845 7,462
(See Bituminous Machine) Sugar Valley Sunbeam Talleydale	97 99	25 35	13 11	135 145	232 129	$\frac{14}{9\frac{1}{2}}$	9,433 7,155
(See Bituminous Machine) Vandalia No. 74 Vandalia No. 82 Wabash	151 111	46 44	13 14	210 169	124 115	18 10	5,504 7,878
(See Bituminous Machine) Willow Creek Wizard No. 2 Burnett No. 2. (Reports not in)	95 27	23 16	13 6	131 49	168 241	11 3	5,995 4,164
Total	3,469½	1,065	354½	4,889	5,026	411½	254,306

WARRICK COUNTY

Caledonia No. 3		$ \begin{array}{c} 24 \\ 13 \\ 9 \\ 4\frac{1}{2} \\ 19 \\ 13 \end{array} $	6 5 5 8	$\begin{array}{c} 103 \\ 82 \\ 46 \\ 20\frac{1}{2} \\ 77 \\ 88 \end{array}$	189 56 120 233 135 140	$\begin{array}{c} 12 \\ 10 \\ 4 \\ 3 \\ 13 \\ 4\frac{1}{2} \end{array}$	5,400 1,107 1,316 2,240 35,345
(See Bituminous Machine) Red Shaft. Sargeant No. 1 Sargeant No. 2 Sunlight No. 2. Total	55 69	12 16 9 4 123½	7 5 4 5	74 90 48 30 658½	148 144 70 119	5 8 5 2 66½	3,840 3,541 907 680 54,376

YEAR BOOK

BITUMINOUS MACHINE MINES

CLAY COUNTY

Name of Mine	Pick Miners	Average Monthly Machine Runners and Helpers	Loaders	Inside Average Monthly Em- ployes	Outside Average Monthly Em- ployes	Total Average Monthly Em- ployes	Days Worked	Monthly Mules Used	Powder	
Colleries No. 2	11½ 12 80	10 20 2	44 93	32 63 35	10 15 12	107 211 129	164 110 136	12 6 18	2,175 1,269 3,162	
Total	103½	32	137	130	37	447	410	36	6,606	
DAVIESS COUNTY										
Thrifty No. 1	31 64 14½	2 2 4	19 13 17	24 22 12	13 13 9	89 114 55	133 225 151	8 9 4	2,207 6,498 977	
Total	109½	8	49	58	35	258	509	21	9,682	
			GIBSOI	N COUNT	ry					
Fort Branch Liberty Princeton		10 4 18	71 11 117	42 8 84	12 4 24	136 35 311	150 110 196	10 1½ 25	984 216 4,362	
Total	76	32	199	134	40	482	456	36½	5,562	
			GREEN	E COUN	TY					
Bon Ayr No. 1	17 15 60 10	14 22 10 18	133 98 45 24	44 67 41 24	17 21 16 9	225 223 172 85	52 137 184 106	19 14 5	3,250 3,802 5,860 514	
(See Bituminous Pick) Coal Ridge Green Valley. Hoosier. LeNoir. Liberty. Linton No. 5. Linton No. 6. Queen No. 3. Queen No. 4. Robertson Spring Valley.	2½ 19 22 1½ 7 16 2	18 20 4 16 14 14 6 8 28 6	98 113 32 97½ 49 99 41 49 101 35	43 48 5 44 17 48 13 28 68 4 ¹ / ₂	13 16 4 11 9 19	172 199½ 45 187½ 89 202 63½ 105 227 51½	114 157 68 67 52 104 110 65 162 49	16 4 3 4 13 5 10 5	1,088 2,003 121 1,253 372 2,825 See No. 5 604 2,831 290	
(See Bituminous Pick) Vigo No. 6	84	2	12	48	17	163	214	23	9,981	
Total	256	200	1,026½	5421/2	183	2,210	1,641	126	34,594	
KNOX COUNTY										
American No. 1 American No. 2 Bicknell No. 1 Columbia No. 1 Indian Creek Knox No. 1.	12 3 23	60 30 4 16 32	468 151 41 65 281 60	173 105 29 39 90 45	73 46 23 15 36 26	786 335 120 135 441 181	169 210 59 195 109 137	14	8,924 4,844 794 2,022 3,376 3,605	
Oliphant No. 1	40 12	30	154	133 44 17	43	372 169	153 Permis	sible, lbs.	64, 645 6, 921	

INDUSTRIAL BOARD

BITUMINOUS MACHINE MINES—Continued

KNOX COUNTY—Continued

Name or Mirce Pick Machine Name or Mirce Machine M										
Total	NAME OF MINE		Monthly Machine Runners and	Loaders	Average Monthly Em-	Average Monthly Em-	Average Monthly Em-		Mules	Powder
Permis sible, lbs. 64,645	Westphalia	9 31/2	22 16	$\frac{136}{94}$	60 39	22 13	$\frac{249}{165\frac{1}{2}}$	173 158	12	3,531 2,759 1,857 15,530
Rockville (New Mine) Sand Creek 8	Total	326	276	1,708½	915	362	3,587½			54,622 64,645
Total				PARKE	COUNT	Ϋ́Υ				
Blackburn No. 2	Rockville (New Mine) Sand Creek	8	4	12	4	3	31	119	3	438
Blackburn No. 2	Total	8	4	12	4	3	31	119	3	438
Atlas No. 1. 64 22 106 85 16 293 130 4 6,991 Aryshire No. 6. 26 10 59 33 11 139 72 8 25 Ayrshire No. 7. 59 28 151 101 24 363 182 12 3,314 Ayrshire No. 8. 22 16 68 27½ 13 146½ 12 2 2,334 Ayrshire No. 8. 22 16 68 27½ 13 146½ 12 2 2,758 Supplex No. 3. 10 29 7 46 131 2 201 Gladstone No. 1. 12 8 16 9 7 52 139 4 1,80 Wuren. 59 4 28 39 11 141 17 3 4 1,125 3 4 33 26 14 80 49 14				PIKE	COUNTY	Y		-		
Hymera No. 2	Atlas No. 1. Ayrshire No. 4. Ayrshire No. 6. Ayrshire No. 7. Ayrshire No. 8. Littles No. 1. Simplex No. 3. Gladstone No. 1.	64 38 26 59 22 25	22 16 10 28 16 14 10 8	106 54 59 151 68 136	85 43 33 101 27½ 73 29 9	16 17 11 24 13 22 7	$\begin{array}{c} 293 \\ 168 \\ 139 \\ 363 \\ 146\frac{1}{2} \\ 270 \\ 46 \\ 52 \\ \end{array}$	130 141 72 182 112 104 131 139	11 8 12 2 20 2	6,991 2,144 850 3,314 1,858 2,777 201 1,190
Hymera No. 2	Total	382	134	621	4741/2	139	1,7501/2	1,286	84	27,566
Baker No. 1				SULLIVA	N COUN	TY			1	
Hamilton No. 1	Baker No. 1	3	6 10	33 35 62½	26 41 18	14 15 14½	80 134 105	49 Permis 205 124	sible, lbs.	3.200
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Hamilton No. 1 Jackson Hill No. 4 Kettle Creek No. 27 Little Betty Mildred No. 2 Mildred No. 13 Paxton No. 8 Peerless No. 27 Powers No. 7 Reliance No. 1	4 38 27	16 20 10 16 14 4 18	92 83 80 115 69 29 88	32 69 29 50 36 18 47 29 27 41	16 22 12 16 12 10 16 11 13½ 16	163 194 131 197 131 65 207 67 119½ 143	Permis 147 187 90 135 104 47 141 217 105 153	131/2 18 14 12 5	2,198 1,948 106 1,434 540 169 1,945 788 759 1,134
Total 371 366 2,019½ 1,137 420 4,313½ 4,047 271 48,825 4,803	Sunflower No. 1. Vandalia No. 10. Vandalia No. 12. Vandalia No. 17. Vandalia No. 23. Vandalia No. 16. Vigo No. 14. Vigo No. 15. Vigo No. 22.	10 60½ 18 1½	30 16 12 12 30 6 8 8 16 16	97 20 108 109 100 42 65 15 78 149	65 18 61 51 49 56 56 8 51 62	25 7 17 18 14 15 17 2 15 17	220 68 198 200 193 189½ 164 33 161½ 244	249 100 207 212 259 83 89 87 181 239	11 3 16 14 13 12 12 7 15	2,940 2,739 1,695 2,337 1,102 104 2,115 2,726
	Total	371	366	2,019½	1,137	420	4,313½	4,047 Permis	271 sible, lbs.	48,825 4,803

BITUMINOUS MACHINE MINES—Continued

VERMILLION COUNTY

NAME OF MINE	Pick Miners	Average Monthly Machine Runners and Helpers	Loaders	Inside Average Monthly Em- ployes	Outside Average Monthly Em- ployes	Total Average Monthly Em- ployes	Days Worked	Monthly Mules Used	Powder	
Dering No. 8. Dana No. 1. Essanbee No. 3. Keller No. 1. Universal No. 4. West Clinton	110 3 3 12 76 37	10 16 12 10 34 2	20½ 36 33 72 189 6½	31 30 18 54½ 173 15	$ \begin{array}{c} 13 \\ 11 \\ 15 \\ 12\frac{1}{2} \\ 51 \\ 7\frac{1}{2} \end{array} $	533	222 182 128 72 233 236	$ \begin{array}{c} 12\\ 10\\ 3\frac{1}{2}\\ 4\frac{1}{2}\\ 26\\ 1 \end{array} $	5,507 1,627 1,019 1,018 9,319 4,392	
Total	241	84	357	3211/2	110	1,1231/2	1,073	47	22,882	
	VIGO COUNTY									
Dering No. 6	6 66 54 61	28 18 16 10 16	237 159 119 91 45	$90\frac{1}{2}$ 53 72 52 22	37 24 35 17 9	$392\frac{1}{2}$ 260 308 224 153	165 190 185 225 163	14½ 17½ 15 2 sible, lbs.	3,570 3,478 9,666 6,356	
Jackson Hill No. 5 Maple Grove No. 4 Miami No. 8 Speedwell No. 2 St. Mary (New Mine)	231 17 133	24 36 26 18	191 262 129 38	72 83 92 92½	26 27 23 16	313 639 287 297½	160 160 149 180	$\begin{array}{c} 6 \\ 9^{1/2} \\ 22 \\ 23^{1/2} \end{array}$	3,779 19,682 3,797 8,484	
Submarine	. 20	20	116	50	19	225	158	18	2,172	
Total	588	212	1,387	679	233	3,099	1,735 Permis	128 sible, lbs.	60,984 8,916	
WARRICK COUNTY										
Big Four No. 3 Cypress Creek	14 19	8 14	22 70	21 40	10	75 154	230 148	10	1,755 3,297	

Big Four No. 3 Cypress Creek. Elberfeld No. 1. Eric Canal No. 1 Fricke & Blair John Bull	14 19 8 42	8 14 10 8 2	22 70 70 72 8	21 40 37 31 23	10 11 18 11 11	75 154 143 122 83	230 148 99 166 137	10 11 11 12 9	1,755 3,297 1,557 912 2,350
(See Cypress Creek Mine) Polk Patch No. 5		14	35	9	6	64	112	.4	600
Total	83	56	277	161	67	641	892	57	10,471

VANDERBURGH COUNTY

Sunnyside No. 1	55	2	14	22	12	- 115	- 213	7	2,586
Total	55	2	14	22	12	115	213	7	2,586

SUMMARY OF TOTALS AND AVERAGES FOR FISCAL YEAR ENDING SEPTEMBER 30, 1921

Total tons of machine mined block coal	57,475
Total tons of pick mined block coal	27,963
Grand total of all block coal mined	85,438
Total tons of machine mined bituminous coal	11,696,893
Total tons of pick mined bituminous coal	10,037,544
Grand total of all bituminous coal mined (tons)	21,744,437
Grand total of all strip operations mined (tons)	951,693
Grand total of all coal mined in the State (tons)	22,771,568
Total wages paid employes of block coal mines	\$398,902 41
Total wages paid employes of bituminous coal mines	\$43,436,624 65
Total wages paid in coal mines of State (major)	\$43,835,527 06
Tons of coal consumed in State from major mines	12,677,564
Tons of coal shipped out of State from major mines	9, 103, 473
Total number of employes in block coal mines	512
Total number of employes in bituminous coal mines	29,903
Total number of employes at major coal mines in State	30,415
Total wages paid employes of stripping operations.	\$2,004,194 75
Average days worked at mines during year	148
Total kegs of powder used by miners in State	954,908
Total pounds of permissible powder used	179,648
Total number of block coal mines	14
Total number of pick bituminous mines	116
Total number of machine bituminous mines	102
Total number of mines employing over ten men	232
Total tons of coal produced at stripping operations	951,693
Total number of fatal accidents at major mines.	71
Total number of serious accidents at major mines.	174
Total number of other accidents	Industrial Board
Number of tons of coal produced per fatality in major mines	307, 322
Number of employes killed per 1,000 employed in major mines	2.33
Total number of machines used in major mines.	. 823
Total number of mules used in major mines	1,339
Days lost account of no orders major mines	20,480
Days lost account of no cars	2,282
Days lost account of strikes.	1,178
Days lost account of funerals.	. 55
Days lost account of suspensions.	637
Days lost account of other causes.	4,833
Number tons of coal produced per fatality major mines and stripping operations	*316,275
Number employes killed per 1,000 employed major mines and stripping operations	2.28

^{*}NOTE. There was one fatal accident occurred at one of the stripping operations. There were four natural deaths in the coal mines. These are not chargeable to coal production. (See list of fatals.)

GEOLOGICAL TABLE

EXHIBITING BY COUNTIES THE NAMES OF THE VARIOUS COAL COMPANIES, THE NAME OF THE MINE, THE DEPTH OF THE OVERLYING STRATA, THE GEOLOGICAL NUMBER OF THE SEAM BEING OPERATED,

THE THICKNESS OF THE SEAM AND THE CHARACTER OF THE COAL

CLAY COUNTY

NAME OF COMPANY	Name of Mine	Depth of Over- lying Strata	Geological Number of Seam	Thickness of Seam	Character of Coal				
American Vitrified Co Bays-Logan Coal Company Big Vein Mining Company. Bolt & Son Coal Company. Boyer Mining Company Brazil Block Coal & Clay Co Brazil Clay Company.	No. 1 Red Rag No. 1 Bolt No. 1 Boyer No. 1 Crawford No. 12 No. 1	75' 49' 80' 63'	IV V V V IV Rider	2' 6" 7' 6" 8' 7' 1' 3"	Block Bituminous Bituminous Bituminous Bituminous Bituminous Block Block				
Brazil Collieries Čo. Brazil District Mining Co. Climax Coal & Clay Co. Coal Bluff Mining Co. Coal Bluff Mining Co. Franklin & Lowish Coal Co. Howell Coal Company. Interurban Coal Company. Kunkelman & Bennie Co. Kunkleman & Bennie Co.	No. 2. Hamlin-Heck No. 1 Plymouth No. 2. Lowish No. 1. No. 1 Cloverland Primrose No. 2. Primrose No. 3.	40′ 80′ 15′ 60′ 67′ 78′	III III III III III IV	7' 8" 2' 11" 3' 6" 7' 6" 3' 6' 6"	Bituminous Bituminous Block Bituminous Block Bituminous Bituminous Bituminous				
Marmon, McBride & Hyde. Miller Coal Company. Rowland-Power Collieries. Rowland-Power Collieries. South Side Coal Company. United 4th Vein Coal Co. White Ash Coal Company.	Hyde No. 1 No. 1 No. 6 No. 8 No. 8 No. 1 Island Valley No. 3		III III Lower Vein V III	7' 2" 7' 6" 4' 7' 6'	Bituminous Bituminous Bituminous Block Bituminous Bituminous Bituminous				
	DAVIESS COUNT	Y		·					
Commerce Coal Company. Daviess County Fuel Co. Green Mound Coal Co. Oak Grove Coal Co. Riverview Coal Co. South Washington Co. White River Mining Co.	Thrifty No. 1. Montgomery No. 4. Thrifty No. 2. No. 1 Riverside No. 1. Sunnyside	96' 45' 90'	V V IV V	5′ 6″ 6′ 4′ 5′ 4″	Bituminous Bituminous Bituminous Bituminous Bituminous Bituminous Bituminous				
	GIBSON COUNT	Y .							
Ayrshire District Collieries Big Four Coal Company Bosse Coal Company Ft. Branch Coal Co. Oakland Coal Company. Princeton Coal Co.	Francisco No. 1 Liberty Buckskin No. 2 No. 1 Gudgel No. 1	204' 225' 400' 125' 440'	V V V V	6' 6" 6' 5' 8" 5' 6"	Bituminous Bituminous Bituminous Bituminous Bituminous Bituminous				
GREENE COUNTY									
Ayrdale Coal Company Big Twelve Coal Company. Bon Ayr Coal Company. Bonher Coal Company. Calora Coal Company. Calora Coal Company. Cathleen Coal Company. Coal Ridge Mining Company. Green Valley Coal Company. Jewell Coal Company. LeNoir Coal Company.	Antioch No. 2. Big Twelve. Bon Ayr No. 1 Booher No. 1 Calora No. 1. Calora No. 2. Hoosier Coal Ridge No. 1. Green Valley No. 1 Jewell No. 2 LeNoir No. 1	60' 127' 36' 84' 151' 160' 30' 160'	V IV IV III V V IV V IV	5' 4" 5' 4' 10" 4' 4" 6' 6"	Bituminous Bituminous Bituminous Bituminous Bituminous Bituminous Bituminous Bituminous Bituminous Bituminous Bituminous				

GEOLOGICAL TABLE—Continued

GREENE COUNTY-Continued

	GREENE COUNTY—Co	nunuea							
NAME OF COMPANY	Name of Mine	Depth of Over- lying Strata	Geological Number of Seam	Thickness of Seam	Character of Coal				
Liberty Coal Company Linton-Summit Mining Company Persons Coal Company Queen Coal & Mining Company Queen Coal & Mining Company Queen Coal & Mining Company Sleepp Eye Mining Company Spring Valley Coal Company Tower Hill Coal Company United 4th Vein Coal Company Vicksburg Coal Company Vigo Mining Company Vigo Mining Company Vigo Mining Company J. & M. Coal Company	Liberty No. 1. Twin Nos. 5 and 6. No. 4 and 5. Queen No. 2. Queen No. 3. Queen No. 3. Sleepy Eye No. 1. Spring Valley No. 1. Tower Hill No. 1. Black Creek No. 2. Robertson No. 6. No. 7. J. & M.		V IV IV IV III IV IV IV V	5' 4" 6' 4" 4' 3" 6' 3' 6" 5' 4" 5' 2" 6'	Bituminous				
	KNOX COUNTY	7							
American Coal Mining Company. American Coal Mining Company. Bicknell Coal Mining Company. Columbia Coal Company. Indiana Power Company. Indian Creek Coal & Mining Co. Knox County 4th Vein Coal Co. Oliphant-Johnson Coal Company. Panhandle Coal Company. Panhandle Coal Company. Ridge Coal Mining Company. Standard Coal Company. Tecumseh Coal Mining Company. Tecumseh Coal Mining Company.	American No. 1 American No. 2 Bicknell No. 1 Columbia No. 1 Lynn No. 1 Indian Creek No. 1 Westphalia No. 1 No. 5 No. 6 Knox No. 1 Wheatland Tecumseh No. 1 Tecumseh No. 2	300' 226' 200' 80' 100' 270' 22' 410' 140' 50' 207' 238' 154' 240'	V V V V V V V V V V V V V V V V V V V	7' 6" 7' 7' 4' 4" 4' 7' 4' 9" 7' 6" 5' 6" 5' 6" 5' 6" 7' 6"	Bituminous				
	OWEN COUNTY								
Putnam Coal Company	Matthews	51'	· III	3′ 4″	Bituminous				
	PARKE COUNT	Y							
Ames Coal Company. Carbon Hill Coal Company. Harrison, W. P., Coal Company. Rockville Coal Company. Sand Creek Coal Company. Williams Creek Coal Company. Zeller-McClelland Coal Co.	Ames No. 1. Irene. Frog Pond. No. 1 No. 1 No. 1 No. 1 No. 6	70′ 110′ 91′ 70′	Minshall Minshall	3' 4" 4' 6" 4' 6"	Block Bituminous Block Bituminous Bituminous Block Block				
PIKE COUNTY									
Ayrshire Coal Company Ayrshire Coal Company Ayrshire Coal Company Ayrshire Coal Company Fork Ridge Mining Company Littel, S. W., Coal Company Littel, S. W., Coal Company Littel, S. W., Coal Company Hartwell Coal Company Muren Coal Company Pike County Coal Company Simplex Coal & Mining Co. Turkey Knob Mining Company Winslow Mining Company	Ayrshire No. 4 Ayrshire No. 6 Ayrshire No. 6 Ayrshire No. 7 Ayrshire No. 8 Fork Ridge No. 1 Gladstone No. 1 Blackburn No. 2 Littles No. 1 Hartwell No. 1 Muren No. 1 Atlas Simplex No. 3 Beech 3 and 4 Winslow No. 2	Drift 50' 45' 110' 31½' Slope 70' 80' Drift	V V V V V V V	5' 5' 5' 6" 5' 4' 4" 5' 10" 6' 6' 4' 8'	Bituminous				

YEAR BOOK

GEOLOGICAL TABLE—Continued

SPENCER COUNTY

NAME OF COMPANY	Name of Mine	Depth of Over- lying Strata	Geological Number of Seam	Thickness of Seam	Character of Coal
Fox Hill Coal Mining Company Oak Knob Mining Company	Fox Hill No. 1Oak Knob No. 1				Bituminous Bituminous

SULLIVAN COUNTY

SULLIVAN COUNTY									
Big Muddy Coal Company	Kettle Creek	170'	VI	5′ 10″	Bituminous				
Birchwood Coal Company	Birchwood No. 1		· III	4' 6"	Bituminous				
Busram Creek Coal Company	Busram No. 1	10'	VII	5'	Bituminous				
Chicago-Carlisle Coal Co	Carlisle	305'	V	4' 8"	Bituminous				
Chicago-Carlisle Coal Co	Reliance	228'	VI	6'	Bituminous				
Cummins Coal Company	Cummins No. 1	50'	VI	5' 6"	Bituminous				
Dugger-Mutual Coal Company	Keeley.	110'	VI	5' 6"	Bituminous				
Enterprise Coal Company	Black Comet				Bituminous				
Farmersburg Coal Company	Rood	115'	VII	5' 6"	Bituminous				
Glendora Coal Company	Baker No. 1	200'	V	.7' 6"	Bituminous				
Hamilton Coal Company	Hamilton No. 1	75′	VI	5' 6"	Bituminous				
Hymera Coal Company	Hymera No. 2	135'	V	7'	Bituminous				
Indiana & Illinois Coal Corp	Paxton No. 8	323'	V	6' 11"	Bituminous				
Jackson Hill Coal & Coke Co	Jackson Hill No. 4	165'	VI	5′ 8″	Bituminous				
Linton Coal Company	Little Betty	233′	IV	6'	Bituminous				
Mayflower Coal Company									
(See Cummins Coal Company)									
Republic Coal Company	Hocking No. 2		VII	3′ 10″	Bituminous				
Rose Hill Coal Company	Rose Hill No. 1		VI	5'	Bituminous				
Rowland-Power Collieries Co	Powers No. 7		VI	6' 1"	Bituminous				
Rowland-Power Collieries Co	Powers No. 11				Bituminous				
Shallow Valley Coal Conpany	Shallow Valley No. 1				Bituminous				
Shelburn Indiana Mining Co	Virginia				Bituminous				
Six Veins Coal Company	Six Veins No. 1				Bituminous				
Star City Coal Mining Company	Star City No. 5				Bituminous				
Star City Coal Mining Company	Star City No. 7				Bituminous				
Steele Kattman Coal Company	Steel-Kattman No. 1	70′	V	6' 6" 5' 9"	Bituminous				
Sunflower Coal Company	Sunflower No. 1	104'	VI	5′ 9″	Bituminous				
Syndicate Coal Company	Syndicate No. 1.		737	F-1 07	Bituminous				
Templeton Coal Company	Glendora No. 26	300′ ′	IV	5' 6" 6'	Bituminous				
Templeton Coal Company	Peerless No. 27	148′	VI ·	6′	Bituminous				
Templeton Coal Company	St. Clair No. 30	265'	iv	5' 6"	Bituminous				
Vandalia Coal Company	Vandalia No. 10	248'	V	8' 4"	Bituminous Bituminous				
Vandalia Coal Company	Vandalia No. 12 Vandalia No. 16	248	, v	0 4	Bituminous				
Vandalia Coal Company	Vandalia No. 17	311'	IV	4' 8"	Bituminous				
Vandalia Coal Company	Vandalia No. 23	104'	VI	5' 6"	Bituminous				
Vandalia Coal Company	Vigo No. 14	109'	Ϋ́Ī	5' 9"	Bituminous				
Vigo Mining Company	Vigo No. 15	120'	Ϋ́Ī	5' 6"	Bituminous				
Vigo Mining Company	Vigo No. 22	282'	ĬŸ	5'	Bituminous				
Vigo Mining Company	Vigo No. 27	307'	ĬV	4' 8"	Bituminous				
Vigo Mining Company	Vigo No. 28	211'	ĬŸ	6'	Bituminous				
Vigo Mining Company	Vigo No. 29	88'	Ϋ́Ι	5'	Bituminous				
Wooley, J., Coal Company	Mildred No. 2	125'	Ϋ́Ī	5' 6"	Bituminous				
Wooley, J., Coal Company	Mildred No. 13	144'	νi	5' 8"	Bituminous				
Trooley, v., Coar Company	11111111111111111111111111111111111111		/ -	0	- I I I I I I I I I I I I I I I I I I I				

VANDERBURGH COUNTY

Crescent Coal Company	Diamond	247'	V V V	4' 4' 4'	Bituminous Bituminous Bituminous
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GEOLOGICAL TABLE—Continued

VERMILLION COUNTY

NAME OF COMPANY	NAME OF MINE	Depth of Over- lying Strata	Geological Number of Seam	Thickness of Seam	Character of Coal
Bickett-Shirkie Coal Company Clinton Coal Company Dana Coal Company Dana Coal Company Essanbee Coal Company Essanbee Coal Company Indiana & Illinois Coal Corp. Jackson Hill Coal & Coke Co. Newport Coal Mining Company Tighe Coal Company. United States Fuel Company. United States Fuel Company. Vermillion Coal Company West Clinton Coal Company. West Clinton Coal Company. Whitcomb Coal Company.	No. 1 Crown Hill No. 2 Crown Hill No. 3 Crown Hill No. 3 Crown Hill No. 4 Crown Hill No. 5 Crown Hill No. 6 Crown Hill No. 6 Crown Hill No. 7 Crown Hill No. 8 Dana No. 1 Dering No. 8 Essanbee No. 1 Essanbee No. 1 No. 2 No. 3 No. 5 Jackson Hill No. 6 No. 1 Tighe No. 1 Universal No. 4 Universal No. 5 Vermillion No. 1 West Clinton No. 1 No. 1 No. 1	345' 249' 182' 185' 165' 164' 162' 200' 183' 349' 164' 300' 178' 110' 249' 239' 143'	V III III V V V V V III IV V III IV V III V V IV V V V V V V V V V V V V V V V V V V V	4' 8" 6' 4' 6" 4' 8' 4' 10" 4' 8" 4' 8" 6' 4' 8' 6' 4' 8' 6' 5' 6' 4' 8' 4' 11" 5' 4' 6"	Bituminous

VIGO COUNTY

D' 11 T C C 1 C	Di. Dil. N. 4				mu ·
Binkley, L. G., Coal Company	Pine Ridge No. 1			.,	Bituminous
Black Hawk Coal Company	Black Hawk No. 1	Slope			Bituminous
Burnett Coal Mining Company	Burnett No. 1		III	6'	Bituminous
Clovelly Coal Company	Bardyke	338′	IV	5′ 6″ 5′ 6″	Bituminous
Clovelly Coal Company	Talleydale	268'	IV	5' 6"	Bituminous
Crawford Coal Company	Crawford No. 1		<u></u>		Bituminous
Crawford Coal Company	Foxden	20'	III	5' 6"	Bituminous
Deep Fourth Vein Coal Company	Deep Vein No. 1	280'	IV	4' 3"	Bituminous
Dering, J. K., Coal Company	Dering No. 6	170'	V	4' 6"	Bituminous
Dry Fork Coal Company	Dry Fork No. 1	160'	III	6' 6"	Bituminous
Eureka Block Coal Company	Dixie Bee	280'	V	6'	Bituminous
Fayette Realty & Development Co	Fayette No. 1	206'	IV	5' 4"	Bituminous
Ferguson-Spears Coal Company	Submarine	225'	IV	5′ 3″	Bituminous
Fort Harrison Mining Company	Clovelly No. 1	140'	V	4' 8"	Bituminous
Foxworthy Brothers Coal Company.					Bituminous
Glen Avr Coal Company	Glen Avr No. 1	90'	IV	5'	Bituminous
Glenco Coal Company	Glenco No. 1	65'	ĪV	. 5'	Bituminous
Glendale Coal Company	Glendale No. 1	59'	ĪV	5'	Bituminous
Glenjean Coal Company	Glenjean No. 1	486'	ÎÏÏ	5' 6"	Bituminous
Grant Coal Mining Company	Maple Grove	270'	v	4' 8"	Bituminous
Gregory Coal Company	Hein		,	1 0	Bituminous
Jackson Hill Coal & Coke Co	Jackson Hill No. 5	180′	iv	5'	Bituminous
Lower Vein Coal Company	Speedwell No. 2	295'	İŸ	4' 10"	Bituminous
Lower Vein Coal Company	Lower Vein No. 1	192'	v	4' 8"	Bituminous
Hall-Zimmerman Coal Company	Wizard No. 2	160'	v	4' 4"	Bituminous
McClelland Coal Company	McClelland No. 1	100	,	4 4	Bituminous
Miami Coal Company	Miami No. 5	125′	v	5'	Bituminous
Miami Coal Company	Miami No. 6	156'	·v		Bituminous
Miami Coal Company	Miami No. 8	285'	ΙΫ́	5' 5' 6"	Bituminous
Miami Coal Company	Miami No. 9	260'	V	5'	Bituminous
Miami Coal Company	Miami No. 9	250'	īv	5'	Bituminous
Miami Coal Company	Miami No. 10	245'	IV	3' 9"	Block
Otter Creek Coal Company,	Mary No. 2		Minshall	3' 9	Block&Bitu.
Otter Creek Coal Company	Mary No. 3	240'	Minshail	3	
Otter Valley Coal Company	Otter Valley No. 1		III	4'	Bituminous
Puritan Coal Company	American Eagle	50'	111	4	Bituminous
Richards & Sons Coal Company	No. 1				Bituminous
Riley Coal Company	Water Lily	30'	V	5′ 6″	Bituminous
Sanford Mining Company	Sanford No. 2		V	4' 8"	Bituminous
Shelby Coal and Clay Company	Sterling No. 2		IV	3′ 8″	Block
Shirkie Coal Company	Shirkie No. 1	272'	V	4' 8"	Bituminous
Sisters of Providence	St. Mary	240'	V	4' 4"	Bituminous

YEAR BOOK

GEOLOGICAL TABLE-Continued

VIGO COUNTY-Continued

NAME OF COMPANY	Name of Mine	Depth of Over- lying Strata	Geological Number of Seam	Thickness of Seam	Character of Coal
Sugar Valley Coal Company. Durand Coal Company. Sunbeam Coal Company. Vililities Coal Company. Vandalia Coal Company. Vandalia Coal Company. Western Indiana Mining Company. Western Indiana Mining Company. Western Indiana Mining Company. Willow Creek Coal Company. Zimmerman Coal Company. Burnett Coal Company.	Sugar Valley No. 1 Old Soules Sunbeam No. 1 National No. 1. Vandalia No. 74 Vandalia No. 82 Minshall Riverside Wabash Willow Creek Black Betty Burnett No. 2	219' 183'	V V V Minshall V Minshall V IV III IV	4' 4" 4' 6" 4' 6" 4' 8" 5' 4' 5" 5' 4" 5' 6"	Bituminous Bituminous Bituminous Bituminous Bituminous Bituminous Bituminous Bituminous Bituminous Bituminous Bituminous Bituminous

WARRICK COUNTY

Archbold, John, Coal Company. Big Four Coal Company. Boonville Mining Company. Bosse Coal Company. Bryan, Joe A., Coal Company.	Red Shaft Big Four No. 3. DeForest Korff No. 1. Chandler No. 1	Drift 50'	V V V	5' 5' 6' 4' 5"	Bituminous Bituminous Bituminous Bituminous Bituminous
Cox Coal Company Cypress Creek Coal Company Elberfeld Coal Mining Company Eric Canal Coal Company Pricke & Blair Coal Company Key Coal Company Newburg Coal Company Sargeant Coal Company Sargeant Coal Company	Cox No. 1. John Bull Elberfeld. Erie Canal No. 1. Frieke & Blair No. 1. Caledonia No. 3. Epworth Sargeant No. 1. Sargeant No. 2.	60' 196' 130' 37' 85'	V V V V V V V	5' 6" 5' 4' 5" 5' 4' 6" 4' 4'	Bituminous Bituminous Bituminous Bituminous Bituminous Bituminous Bituminous Bituminous
Warrick Coal Mining Company Wooley, J., Coal Company Sunlight Coal Company	Polk No. 5. Castle Garden No. 6 Sunlight No. 2	Slope 80'	V V	6′ 6″ 4′ 2″	Bituminous Bituminous Bituminous

REPORT OF EXAMINATIONS

For Fire Boss, Mine Boss and Hoisting Engineers' License Held During the Year Ending September 30, 1921

PLACE	Month-Year	Fire Boss	No. Passed	Mine Boss	No. Passed	Hoist- ing En- gineer	No. Passed	Total Appli- cants	Total Passed	Fees Collect- ed
Terre Haute Vincennes	Oct. 2, 1920 Oct. 9, 1920	49 20	24 6	86 37	40 16	31 5	15 5	166 62	79 27	\$166 00 62 00
Totals		69	30	123	56	36	20	228	106	\$228 00
Terre Haute Evansville	April 2, 1921 April 4, 1921	85 20	46 13	130 23	66 6	52 15	27 10	267 58_	139 29	\$267 00 58 00
Totals		105	59	153	72	67	37	325	168	\$325 00
Grand Totals		174	89	276	128	103	57	553	274	\$553 00

TABLE OF ACCIDENTS FROM 1898 TO 1921

Table showing number of tons of coal produced, number of persons employed, number of fatalities, the number of tons produced per fatality, and the number killed per thousand employed, for each year from 1898 to 1921 inclusive:

YEAR	Tons Produced	Employed	Fatalities	Tons per Fatality	Killed per 1,000 employed
1898. 1899. 1900. 1901. 1902. 1903.	5,864,975 6,283,063 7,019,203 8,763,197 9,992,563	No report 7,366 8,858 10,296 13,139 15,128	22 15 18 24 24 24	233, 950 390, 997 349, 059 292, 466 365, 133 181, 683	2.04 2.03 2.33 1.83
1904 1905 1906 1907 1908 1909	10,995,972 11,422,027 13,250,715 11,997,304 13,692,089	17, 838 17, 856 19, 562 19, 009 19, 092 18, 908	34 47 31 53 45 50	290,304 233,956 368,450 250,013 266,606 273,841	1:91 2:63 1:60 2:79 2:36 2:64
1910. 1911* 1912. 1913. 1914. 1915.	9,571,289 14,204,578 17,246,576 16,635,178 15,696,921	21,171 20,778 21,230 21,683 22,110 20,702	51 33 37 59 49 54	355,397 ,290,039 383,908 292,315 339,493 284,202	2.41 1.60 1.74 2.72 2.21 2.60
1916. 1917. 1918. 1919. 1920.	18,238,591 24,013,021 28,795,682 23,859,562 27,415,675 21,829,875	21,300 23,940 27,932 28,673 27,076 30,415	48 66 114 75 95 71	379, 969 363, 834 292, 067 295, 284 288, 586 307, 322	2.25 2.75 4.08 3.82 3.51 2.33

^{*1911} report for nine (9) months only.

FATAL ACCIDENTS BY COUNTIES

COUNTY	No. of Acci-			Inquests Held							
	dents	Wives	Children	Other Depts.	Dally	Green	Stevely	Wilton	Gilles- pie	Ellison	Little- john
Clay Daviess Gibson Greene Knox Parke Pike Sullivan Vermillion Vigo Warrick Totals	5 1 4 4 10 1 5 12 11 21 21 2	4 1 1 9 8 12 1 43	15 7 7 17 18 33 2 104	14 25 7 2 2	1 7 11	2	2 6 4 6	1 7 7	10 3 1	3	1 1 2

FATAL ACCIDENTS FOR FISCAL YEAR ENDING SEPTEMBER 30, 1921, GIVING NAME, AGE, OCCUPATION, DEPENDENTS, NATURE OF INJURIES, CAUSE OF ACCIDENT, BY COUNTIES

CLAY COUNTY

	Cause of Accident	Fall of boulder in room Fall of slate Fall of slate Fall of slate Fall of slate Attack of heart trouble (Not chargeable to this Dept.)		Powder explosion		Gas explosion Gas explosion Gas explosion Gas explosion		Explosion Falling slate Falling coal (Not chargeable to this Dept.)
	Nature of Injuries	Broken neck	-	Fatal burns. Powder explosion		Burned Burned Burned Burned		Burned by powder Compound fracture of leg Head crushed Angina Pectoris
	Dependents	100101-	NTY		NTY	− 6760∞	NTY	4001
111000 11110	Occupation	Miner Miner Fire Boss Miner	, DAVIESS COUNTY	Miner.	GIBSON COUNTY	Miner Miner Miner	GREENE COUNTY	Miner Machine man Miner Loader
	Age	28 35 58 58		17		20 33 40		43
•	Name	Barney Miller Beverett Neal Dougal Malcom Andrew Stroup Marcus Johnson.		Meryl Grider		Clyde E. Rinehart. Thomas R. Coekran Norman Davis. Wesley Bilderback.		J. B. Simpson. Schuyfer Bush. William J. Dixon. William Gourley.
	Date	Oct. 25, 1920 Nov. 5, 1920 Nov. 5, 1920 Jan. 28, 1921 Aug. 31, 1921		Aug. 15, 1921		Feb. 17, 1921 Feb. 17, 1921 Feb. 17, 1921 Feb. 17, 1921		Oct. 9, 1920 Dec. 27, 1920 Jan. 8, 1921 June 2, 1921

KNOX COUNTY

Fall of slate in room Fall of slate Fall of slate Fall of slate Fall of slate Run over by var Contact with trolley Fall of boulder and coal Fall of slate Shot exploded Fall of slate		Fall of slate		Fall of slate Fall of slate Run over by car Caught by driving machine Fall of slate		Fall of slate Pall of slate Run over by trip Gas explosion Gas explosion Gas explosion Fall of slate
Crushed internally. Crushed through hips. Crushed. Crushed. Crushed. Crushed skull. Crushed skull. Crushed hips.		Back and ribs broken		Crushed Breast crushed Broken neck Crushed		Crushed to death Crushed. Head crushed. Burned. Burned. Burned crushed skull. Crushed through pelvis. Crushed skull. Crushed skull. Crushed skull. Crushed ckull. Crushed ckull. Crushed ckull. Crushed. Overcome by afterdamps.
ಬ ದಾಬ್ವವಸ್ವವದ	VTY		TY	w	UNTY .	ন ততেগেলকানকাক
Loader Triprider Oiler Trapper Loader Loader Machine helper Loader Miner	PARKE COUNTY	Miner	PIKE COUNTY	Miner. Jertyman. Miner. Demonstrator. Miner.	SULLIVAN COUNTY	Loader Miner Miner Loader Loader Driver Prinsen Prinsen Bayman Machine man Shoffner Triprider
445 116 522 222 336 46 46		19		35 62 56 30 41		66 139 139 139 139
Charles Ovars. Frank Vargo. James Risley. Gilbert Godwin. George McLinn. George Dunbar. Elza McBride. Jess Wedding. Miles Barrett. John B. Gaffin.		George Batchelor		Walter Small. James Spradley. Ben Kinshreff. John Warren. George Barrett.		John Wm. Gaustine William Brown. Cud Moses Ed Gillespie. Claude Gillespie. Perman Film James Franklin Gaus Clark Ause Johnson. Charles Shipjey. Claree King.
Oct. 23, 1920 Mar. 12, 1921 Mar. 23, 1921 April 5, 1921 May 23, 1921 June 11, 1921 June 21, 1921 June 21, 1921 July 5, 1921 Sept. 5, 1921		June 10, 1921		Oct. 11, 1920 Oct. 14, 1920 Jan. 10, 1921 April 18, 1921 May 14, 1921		Nov. 18, 1920 Nov. 16, 1920 Nov. 18, 1920 Dec. 31, 1920 Dec. 31, 1920 Feb. 25, 1921 April 3, 1921 April 8, 1921 May 5, 1921 May 5, 1921 Sept. 1, 1921

kel FATAL ACCIDENTS FOR FISCAL YEAR ENDING SEPTEMBER 30, 1921, GIVING NAME, AGE, OCCUPATION, DEPENDENTS, NATURE OF INJURIES CAUSE OF ACCIDENT, BY COUNTIES—Continued

VERMILLION COUNTY

Cause of Accident	Windy shot Short fuse Falling slate Run over by oar Fall of slate Caught between buntins and	Overcome by powder and smoke Fell down cage Contact with trolley wire (Not chargeable to this Dept.)
Nature of Injuries	Suffocation by after-damps Shon Burned	Suffocation. Ove Surfocation neck Fell Surfocation by after-damps Electrocuted. Con Had a fit in mine. (No
Dependents	000000	7001
Occupation	Shotfirer Shotfirer Miner Miner Tracklayer Mule driver.	Shotifrer Cement worker. Fire boss Motornan.
Age	25 55 55 55 55 55 55 55 55 55 55 55 55 5	28 23 58 58
Name	James Lipscomb Joe Bidway. Adolph DeBarge John Bolin. Harry Melburn. John Bentley.	Martin Snichouski. Ernest Beshaw. Thomas Douglas. Bert Auman.
Date	Oct. 11, 1920 Jan. 7, 1921 Jan. 22, 1921 Feb. 9, 1921 Feb. 14, 1921 Mar. 28, 1921	May 3, 1921 July 16, 1921 Aug. 18, 1921 Sept. 12, 1921 Sept. 15, 1921

VIGO COUNTY

Explosion—unlawful shots . Hit by car Fall of state on entry Fall of state in room Gas explosion Gas explosion Gas explosion Gas explosion Gas explosion Gas farging in entry Fall of state in entry Fall of coal Dust explosion from windy sho Explosion Explosion Brown out shot
Suffocation by after-damps Skull fractured. Crushed internally Crushed internally Burned. Burned. Burned. Burned. Back broken, head crushed. Crushed crushed and bones broken. Head crushed and bones broken. Suke broken, head crushed. Head crushed. Buck forthed and bones broken. Clushed crushed. Suffocated by after-damps. Killed by after-damps. Killed by after-damps.
H 0003 00 00 4403 (0)
Shotfirer 1 1 1 1 2 2 2 2 2 2
422 222 222 223 223 223 223 223 223 223
Grover T. Campbell Rudolph Clippy. Sam Antis. John Haynes Nick Risher. Nick Risher. Nick Risher. William H. Oliver. Peter Porter. Harry Newkirk Harry Leigh. Hary Reidle. George Donovich. George Donovich. Carl Keidle.
Oct. 11, 1921 Oct. 15, 1920 Oct. 19, 1920 Oct. 29, 1920 Oct. 29, 1920 Oct. 29, 1920 Oct. 30, 1920 Dec. 27, 1920 Dec. 27, 1920 Jan. 11, 1921 Jan. 11, 1921 Feb. 11, 1921 Feb. 11, 1921

Crowded off cage Caught beneath motor Fall of rock Cartridge exploded Fell off cage		Fall of coal from car (Not chargeable to this Dept.)
Body crushed Crushied head Broken back Burned Body bruised and lacerated		Head and face crushed. Cerebral apoplexy
4 2000	JNTY	2 3
Miner Triprider Fire boss Miner Loader	WARRICK COUNTY	Driver. Miner.
25 29 25 25	,	29
8, 1921 Joe Kaperoe. 15, 1921 Dominic Rasen. 28, 1921 Herman Kuntz. 21, 1921 Victor Yellish. 19, 1921 Rudolph Stinson		3, 1920 Tobin Cundiff. 3, 1921 Albert J. Bieber.
ne 8, 1921 ne 15, 1921 ne 28, 1921 y 21, 1921 pt. 19, 1921		. 3, 1920 1. 3, 1921

SHOWING THE TONS OF COAL PRODUCED AND WAGES PAID TO MINERS IN INDIANA FOR THE YEARS 1917 TO 1921, INCLUSIVE, BY COUNTIES, THE BLOCK AND BITUMINOUS COAL BEING SHOWN SEPARATELY

Counties	Block, Tons	Wages Paid	Bitu- minous, Tons	Wages Paid	Total Production, Tons	Total Wages
Vigo Vermillion. Sullivan. Knox Greene. Pike. Warrick. Clay. Parke. Vanderburgh. Gibson Daviess. Perry. Fountain.	261,490 63,399	420, 179 79 97, 272 06	85,237	\$6,630,163 97 4,236,261 61 3,334,901 17 2,514,267 10 2,663,920 35 924,576 00 687,329 45 416,226 48 353,686 43 437,574 82 498,650 65 106,419 06 14,814 96 14,814 96 10,892 52	6,893,134 4,198,028 3,395,464 3,001,024 2,892,356 916,294 746,026 655,893 374,141 390,404 443,190 85,237 13,996 7,834	\$6,850,965 36 4,236,261 61 3,334,901 17 2,514,267 10 2,663,920 35 924,576 00 687,329 45 836,406 27 450,958 49 437,574 82 498,650 65 106,419 06 14,814 90 10,892.52
Totals	445,607	\$738,253 24	23,567,414	\$22,829,684 51	24,013,021	\$23,567,937 75

Vigo	186 675	\$400 555.66	8.589.302	\$11,401,710 98	8.775.977	\$11.811.266 64
Vermillion			4,428,358	6,205,782 68	4,428,358	6,205,782 68
Sullivan			4,112,064	5,971,861 21	4,112,064	5,971,861 21
Knox			3,702,770	4,354,027 11	3,702,770	4,354,027 11
Greene			2,968,581	4,197,360 74	2,968,581	4,197,360 74
Warrick			1,240,742	1,620,803 28	1,240,742	1,620,803 28
Pike			1,084,565	1,559,794 58	1,084,565	1,559,794 58
Clay	295,847	601,405 21	773,206	1,163,732 17	1,069,053	1,765,137 38
Gibson			548,885	842,605 93	548,885	842,605 93
Vanderburgh			379,594	573,638 88	379,594	573,638 88
Parke	68,662	156,428 95	239,443	399,021 19	308,105	555,450 14
Daviess			155,654	283,184 55	155,654	283,184 55
Fountain			12,794	24,501 07	12,794	24,501 07
Perry			8,540	11,502 00	8,540	11,502 00
Totals	551,184	\$1,167,389 82	28,244,498	\$38,609,526 37	28,795,682	\$39,776,916 19
	1					

Clay	149,067	\$319,326 30	587,274	\$884,003 06	736,341	\$1,203,329 36
Daviess			302,170	454,532 82	302,170	454,532 82
Fountain			6,338	12,192,36	6,338	12,192 36
Gibson			496,944	818,187 05	496,944	818,187 05
Greene			2,022,104	2,950,075 91	2,022,104	2,950,075 91
Knox			2,971,869	4,118,394 62	2,971,869	4,118,394 62
Owen					8,137	16,299 16
Parke	49,465	115,700 60	102,342	17,845 12	151,807	133,545 27
Pike			998,767	1,524,378 20	998,767	1,524,378 20
Sullivan			3,211,507	4,756,380 66	3,211,507	4,756,380 66
Vanderburgh			266,553	437,007 94	266,553	437,007 94
Vermillion			3,247,268	5,285,862 30	3,247,268	5,285,862 30
Vigo			6,425,260	8,922,406 36	6,558,159	9,234,902 34
Warrick			733,210	1,026,186 35	733,210	1,026,186 35
Totals	339,568	\$763,822 04	21,371,606	\$31,207,452 75	21,711,174	\$11,972,044 34

SHOWING THE TONS OF COAL PRODUCED AND WAGES PAID TO MINERS IN INDIANA FOR THE YEARS 1917. TO 1921, INCLUSIVE, BY COUNTIES, THE BLOCK AND BITU-MINOUS COAL BEING SHOWN SEPARATELY—Continued

1920

Counties	Block, Tons	Wages Paid	Bitu- minous, Tons	Wages Paid	Total Production, Tons	Total Wages
Clay. Daviess Fountain. Gibson. Greene. Knox Owen. Parke. Pike. Sullivan Vanderburgh. Vermillion. Vigo. Warrick.	7,704 55,907	19,168 94 164,316 72	840,315 279,055 6,051 534,127 2,156,447 2,952,242 	\$1,480,719 54 532,482 12 10,210 79 999,877 63 ,644,542 24 4,558,539 96 2,008,896 57 6,388,064 76 620,986 17 5,678,371 54 11,441,763 66 1,849,664 30	944,604 279,055 6,051 534,127 2,156,447 2,952,242 7,704 55,907 1,006,978 3,582,460 32,878 3,159,047 7,197,805 1,108,791	\$1,802,127 18 532,482 12 10,210 79 999,877 69 3,644,542 24 4,558,539 96 19,168 94 164,316 72 2,008,896 57 6,388,064 76 620,986 17 5,678,371 54 11,550,349 56 1,849,664 30
Totals	231,235	\$623,479 20	22,856,196	\$39,214,119 31	23,024,096	\$39,837,598 51

1921

Clay	47.825	\$216,277 05	585,489	\$1,209,249 03	633,314	\$1,425,526 08
Daviess			297,624	695,348 73	297,624	695,348 73
Fountain*						
Gibson			626,046	1:314,030 64	626.046	1,314,030 64
Greene			1.873,299	3,757,508 35	1.873.299	3,757,508 35
Knox			3,254,090	6,044,457 17	3,254,090	6,044,457 17
Owen					4,179	11,164 33
Parke			22,588	25,217 74	34,345	85,600 69
Pike			1,011,693	2,273,851 83	1.011.693	2,273,851 83
Spencer			10,503	25,203 68	10,503	25,203 68
Sullivan			3,472,553	7,035,156 29	3,472,553	7,035,156 29
Vanderburgh			260,361	618,675 54	260,361	618,675 54
Vermillion			2,671,733	5, 445, 910 71	2,671,733	5,445,910 71
Vigo	21,677	111,078 08	6,733,219	13,129,890 26	6,754,896	13,240,968 34
Warrick!			915,239	1,862,124 68	915,239	1,862,124 68
		·				
Totals	85,438	\$398,902 41	21,734,437	\$43,436,624 65	21,819,875	\$43,835,527 06

^{*}Mines not operating.

Showing by Counties the Names of Mines, Number of Tons of Screened, Slack, Nut
tion Thereof, the Production of Block and Bitumi
Machine and Pick or

BLOCK COAL

CLAY

							CLAI		
				Production	on—Tons				
Name of Mine		Machine mined				Pick mined			
•	Screened	Slack and Nut	Mine Run	Total	Screened	Slack and Nut	Mine Run		
American-Vitrified			1,264	1,264			1,693		
ClimaxCrawfordHowell (Abandoned)	1,704	143	1,508	3,355	732 6,140	330 1,270	2,307 370		
Howell (Apandoned) Old Glory Plymouth No. 2	13,256	4,317	2,996	20,569	1,014		8,781		
Totals	14,960	4,460	5,768	15,188	7,886	1,600	13,151		
	1	l		ı	1	1	OWEN		
Putnam No. 1					2,240	1,088	85:		
Totals					2,240	1,088	851		
							PARKI		
Ames No. 1Zeller-McClelland No. 6	9,118	188	1,942	1,942 9,306			509		
Totals	9,118	188	1,942	11,248			509		
	•						VIGO		
	16,171	4,868		21,039	153		,		
Mary No. 2 Sterling				• • • • • • • • •	435	50	• • • • • • • • • • • • • • • • • • • •		

BITUMINOUS

CLAY

Bolt No. 1. Boyer. Cloverdale No. 1. Collieries No. 2. Hamlin-Heek.	2,068		70,078	72,146	727 7,139 1,599	5,707	17,190 903 74,763 8,887 35,603
(Working less than 10 men) Island Valley. Lewis. Lowish No. 1. Miller. Powers No. 6.	48,635	39,773	1,810	1,810	8,171 29,193	4,248 19,147	30,549 78,073 5,411 10,355
Primrose No. 3 Red Rag. South Side No. 1 White Ash.					1,957	1,851	10,778 4,511 16,745 25,303 323,739

and Mine Run Coal, Total Tons of All Grades of Coal Produced and the Distribunous Coal, Each Being Shown Separately, as is the Hand-Mined Coal.

MINES

COUNTY

		Distri	bution		Wages	Paid	
	Grand Total	Tons in	Tons in	1.1	Labo	rers	
Total	10001	Indiana	other States	Miners	Inside	Outside	Totals
1,693 3,369 7,780	1,693 1,264 6,724 7,780	1,693 1,264 3,930 4,555	2,794 3,225	\$10,108 69 18,768 43 11,700 44	\$4,565 62 812 67 17,327 31 13,031 19	\$2,947 39 82 25 16,422 65 4,453 70	\$17,621 70 894 92 52,518 39 29,185 33
9,795	20,569 9,795	10,796 2,054	9,773 8,031	37,080 74 24,127 79	20,934 87 10,574 55	14,590 21 8,748 55	72,605 82 43,450 89
22,637	47,825	24,292	23,823	101,786 09	67,246 21	47,244 75	216,277 05
COUNTY							
4,179	4,179	3,850	329	4,148 16	3,203 61	3,812 56	11,164 33
4,179	4,179	3,850	329	4,148 16	3,203 61	3,812 56	11,164 33
COUNTY							
509	2,451 9,306	2,451 4,874	5,432	5,299 10 17,290 02	3,338 19 20,580 48	6,195 40 7,679 76	14,832 69 45,550 26
509	11,757	6,325	5,432	22,589 12	23,918 67	13,875 16	60,382 95
COUNTY	-						
153 485	21,192 485	4,446 485		45,597 81 847 87	52,668 81 1,347 60	10,279 10 336 89	108,545 72 2,532 36
638	21,677	4,661	17,016	46,445 68	54,016 41	10,615 99	111,078 08

COAL MINED

COUNTY

	· · · · · · · · · · · · · · · · · · ·						
17,190 1,775 87,609	1,775	1,593	182	2,219 66	2,662 93		
8,887 38,825	81,033	77,057	3,976	91,663 28	63,909 19	25,663 56 13,541 33	181,236 03
30,549 78,073 17,830	79,883 17,830	79,883 4,110	13,720	89,064 13 21,777 01	50,626 34 14,124 02	17,182 67 6,868 15	156,873 14 42,769 18
58,735 4,668 10,778	106,247 4,668	55,022 900	51,225 3,763	136,854 61 4,778 29	78,781 86 2,486 52	33,446 32 1,245 45	249,082 79 8,510 26
8,319 16,745 25,303	8,319 16,745	3,022 640	5,299 16,105	9,319 68 18,140 08	3,601 07 6,966 32	3,366 57 4,701 28	. 16,287 32 29,807 68
405,286	585,489	382,763	202,726	689,104 68	355,050 53	165,093 82	1,209,249 03

TABLE--

DAVIESS

	Production—Tons								
Name of Mine		Machin	e mined	Pick mined					
	Screened	Slack and Nut	Mine Run	Total	Screened	Slack and Nut	Mine Run		
Montgomery No. 4 Oak Grove No. 1 Riverside No. 1 Sunnyside No. 1 Thrifty No. 1 Thrifty No. 2			16,758	16,758	4,067	2,365	50,658 8,521 14,989 2,449 23,552 96,146		
Totals			94,877	94,877	4,067	2,365	196,318		

GIBSON

Buckskin No. 2	43,067	31,622	17,815 4,538	92,504	15,370 19,351	22,840 16,853	84,360 30,066 1,966
Liberty No. 1			4,538	4,538			1,966
Totals	43,067	31,622	212,019	286,708	34,721	45,698	258,919

GREENE

Antioch No. 2	78,157	116,260	2,810	197,227	8,850	3,466	
Big Twelve					240	150	1,480
Black Creek No. 2			63,914	63,914			76,673
Booher							21,866
Bon Ayr	125.117	114.621	18,780	258,518			
Calora No. 1			16.042	16,042			3,570
Calora No. 2			2,929	2,929			5,105
Coal Ridge			119,908	119,908			1,079
Green Valley		57.252	23,383	142,567			
Hoosier			12,251	12,251			
J. & M. No. 1			12,201	12,201			20,887
Jewell No. 2							25,800
LeNoir			46.785	46,785			6,088
Liberty	9,496	5,641	13,878	28,515			
Persons No. 4		0,011	3,087	3,087			
Queen No. 2.		968	2,892	5,299	23,764	12,596	30.568
Queen No. 3		19,875	1,352	36,586	1,310	1,338	241
Queen No. 4		59,851	16.395	157.804	4,578	4,120	1.561
Persons No. 5				101,004	2,010	1,120	1,001
Robertson				16,794			1,150
Sleepy Eve			10,734	10,734			18,897
			7,717	7,717			29,511
Spring Valley			1,111	1,111			49.832
Tower Hill			60 010	179,209			40,002
Twinn Nos. 5 and 6		40,085	60,210				133,612
Vigo No. 6			24,600	24,600			64,695
Vigo No. 7							04,090
Totalo	450 000	414 559	452 797	1 201 070	38,742	20,670	492,615
Totals	452,992	414,553	453,727	1,321,272	00,742	20,070	202,010

Continued

COUNTY

		Distri	bution	Wages Paid						
	Grand Total	Tons in	Tons in		Labo	orers				
Total	10001	Indiana	other States	Miners	Inside	Outside	Totals			
50,658 8,521 • 14.989	50,658 8,521 31,747	8,521		\$107,919 38 12,186 93 35,584 03	. 5,423 30	\$37,871 24 5,661 07 16,533 56	\$229,300 37 23,271 30 72,349 09			
8,881 23,552 96,146	8,881 62,834 115,983	8,263 61,765	618 1,069		4,275 07 38,455 81	7,415 39 20,510 31 35,541 03	22,683 99 128,350 81 219,293 17			
202,747	297,624	291,807	5,817	365,262 08	208,554 05	121,532 60	695,348 73			

·COUNTY

	1
78,172 78,172 75,663 2,509 86,117 34 33,107 56 23	3,728 42 142,953 32
	2,993 07 218,474 02
	5,196 99 240,618 55
	8,440 35 156,409 25
	2,747 57 22,306 28
70,360 260,026 171,062 88,964 282,243 52 196,540 02 50	0,485 68 529,269 22
339,338 626,046 396,861 229,185 707,596 48 422,842 08 183	3,592 08 1,314,030 64

COUNTY

	12,316	209,543	209,543		208,244 22	176,341 44	40,471 78	425,057 44
	1,870	1,870		50	43,093 26	110,511 11	667 86	43,761 12
	76,673	140,587		40,013		77,067 56	38,844 91	290,766 45
	21,866	21,866		4,063	29,534 94		10,408 33	18,484 51
		258,518		84,978		91,250 01	48,987 10	
•	3,570	19,730	11,309	8,421	32,573 95	29,380 54	19,420 42	
	5,105	8,034		4,913	7,278 53	5,628 33	1,838 70	14.745 56
	1,079	120,987		73,459		64,489 09	29,135 16	
	2,010	124,567		20,022	157,593 68		33,787 51	285,428 39
i		12,251	2,685		12,462 02		10,240 95	31,908 70
ı	20,837	20,887		6,630			593 12	32,918 90
	25,800	25,800		19,385	29,342 15	10,613 56	8,961 97	48,917 68
	6,088	52,873		20,166	68,007 55	67,252 42	20,829 60	156,089 57
		28,515	18,402	10,113	30,467 64		9.009 11	55,229 98
		3,087		48		12,386 19	8,749 42	
	66,928	72,227		9,030	80,347 62	35,981 41	12,004 49	
	2,889	38,475	34,596	4,879	45,417 69	37,894 23	18,574 74	101,886 66
	10,259	168,063	147,058	21,005			31,624 79	
						3,443 55	2,724 96	6,168 51
	1,150	17,944		17,889			8,932 18	
	18,897	18,897		796	21,086 63		5,395 99	38,145 10
	29,511	37,228		4,000	39,698 25		7,647 75	59,447 19
	49,832						28,017 07	111,724 93
		179,209					28,308 82	
	133,612	158,212					37,118 23	
	64,695	64,695	60,752	3,943	76,766 02	51,732 04	18,175 58	146,673 64
	552,027	1,873,299	1,434,261	439,038	\$2,109,981 81	\$1,167,056 00	\$480,470 54	\$3,757,508 35

Fox Hill....Oak Knob.....

TABLE—

KNOX

10,503

Screened and Nut Run Total Screened and Nut Run Run Total Screened and Nut Run	-	Production—Tons									
Screened and Nut Run Total Screened and Nut Run Ru	Name of Mine		Machin	e mined			Pick mined				
Dolumbia 143,833 143,835 2,450 2,432 4		Screened			Total	Screened		Mine Run			
143,833 143,835 143,835 2,450 2,432 4,500 2,600	nerican No. 1.	483,025	239,690	86,903	809,620			4.4			
olumbia.		123,182	51,261	166,518	340,961			4, 3, 14,			
Description Content	lumbia			143,853	143,853		0.400				
Income No. 1	dian Creek			309,226	309,226		2,432	41,			
Totals	nhant-Iohnson	92 540	127 491	20 000	80 000			60,			
Totals	n Handle No. 5	81,080	16,023	32,486	129,589	46,086	24,015	27,			
Totals	cumseh No. 1		7,212	135,578	135,578	984	670	$\frac{1}{35}$			
Totals				$206,234 \\ 152,330$	200,234			8, 2,			
rog Pond. cockville (New mine) and Creek. 7,466 7,466 Totals. 7,466 7,46						50,599	27,253	234,			
tlas No. 1 3,093 186,751 190,384 1,020 7,466 7,4	Totals	785,733	441,677	1,438,479	2,665,889	100,119	54,370	433,			
tlas No. 1	nd Creek							3, 15,			
yrshire No. 8 32,094 35,147 7,252 77,425 eleech Nos. 3 and 4								PI			
yrshire No. 8 32,094 35,147 7,252 77,425 eleech Nos. 3 and 4	las No. 1	3,093		186,751	190,384	1,020		63,			
yrshire No. 8	rshire No. 4	37,058 21,502	31,500 21,040		85,744 42,542						
eech Nos. 3 and 4	rshire No. 7	115,497	79,424 35,147	$8,915 \\ 7.282$	203,836 77,426						
ork Ridge	TOUR CIVU, O					3 419	6 440	10, 61,			
lartwell. 129,320 27,276 84,155 140,751	ech Nos. 3 and 4							10			
furen	ech Nos. 3 and 4			12,811				9, 2,			
Vinslow No. 2 (New mine)	ech Nos. 3 and 4										
	ech Nos. 3 and 4	29,320 5,980	27,276 3,985		9,965	7,401	6,055				
Totals	ech Nos. 3 and 4	29,320 5,980	27,276 3,985	19,468	9,965 19,468	7,401	6,055				

Continued

COUNTY

		The same of the sa		ar with a second of the second		4	
		Distri	bution		Wage	s Paid	
	Grand Total	Tons in	Tons in other		Lab	orers	
Total		Indiana	States	Miners	Inside	Outside	Totals
4,489 3,308 14,299 46,563 60,432 97,135 2,982 35,471 8,954 2,600 308,988	814, 109 344, 269 41, 983 143, 853 46, 563 309, 226 141, 431 306, 237 226, 724 26, 162 171, 049 215, 188 154, 930 308, 988	421,747 156,917 23,846 50,580 33,808 309,226 72,794 247,428 226,724 26,162 76,332 95,705 32,250 173,889	1 12 775	637,726 76 161,654 97 344,099 39 230,060 96 22,656 29 176,408 53	317,172 39 165,283 00 16,800 34 71,204 99 35,535 23 140,674 70 105,882 71 144,815 22 100,184 77 28,674 95 87,726 82 128,585 62 74,893 15 152,470 76	. 198, 473 00 96, 712 65 11, 712 45 34, 070 03 24, 782 48 80, 228 95 62, 376 27 90, 939 03 38, 674 28 11, 823 81 42, 409 68 40, 169 01 24, 857 51 33, 526 00	1,319,249 56 630,912 88 73,582 02 261,553 02 129,138 53 858,630 41 329,883 95 579,853 64 368,920 01 63,155 05 306,545 03 377,618 47 260,083 57 485,331 16
588,201	3,254,090	1,950,265	1,303,825	3,683,554 41	1,570,147 65	790,755 11	6,044,457 17
COUNTY							
11,097	11,097	11,097		13,205 09	4,896 03	2,966 62	21,067 74
$\begin{smallmatrix} 673\\3,352\end{smallmatrix}$	8,139 3,352	8,139 3,352			3,275 00	875 00	34,820 94 4,150 00
15,122	22,588	22,588	•••••	13,205 09	8,171 03	3,841 62	25,217 74
COUNTY							
10,097 70,742 18,970 9,781 2,668 13,456	254,408 85,744 42,542 203,836 77,426 10,097 111,673 18,970 22,592 2,668 140,751 19,468	242,196 51,979 14,292 98,253 58,000 3,193 111,673 440 18,281 139,636 9,009 13,606	12,212 33,765 28,250 105,583 19,426 6,904 18,530 4,311 2,157 1,115 14,412 6,862	282,064 60 96,127 34 45,428 58 234,445 06 83,471 46 13,131 52 127,062 34 23,170 74 25,956 14 3,173 24 145,254 72 27,976 88	150,327 88 68,567 93 24,931 06 177,497 00 43,207 07 13,378 93 78,174 49 9,134 80 25,793 63 3,315 16 91,752 19 26,289 58 43,921 25	138,559 80 33,783 92 12,465 37 88,243 91 21,603 50 8,910 90 28,611 16 5,849 54 15,929 48 1,825 83 35,383 13 9,504 27 9,447 43	570,952 28 198,479 19 82,825 01 500,185 47 148,282 03 35,121 35 233,847 99 38,155 08 67,679 25 8,314 23 272,390 04 63,770 73 53,368 68
COUNTY		1	1	• 1			
5,204 5,299	5,204 5,299	4,387 5,299	817	8,611 68 5,725 44	3,348 98 3,757 23	1,416 77 2,343 58	13,377 43 11,826 25
10,503	10,503	9,686	817	14,337 12	7,106 21	3,760 35	25,203 68-

TABLE—

SULLIVAN

				Production	n-Tons		
Name of Mine		Machine	e mined			Pick mined	
	Screened	Slack and Nut	Mine Run	Total	Screened	Slack and Nut	Mine Run
Baker	9,634	5,015	40 52,258	15,049 64,413	13,170 16,423	5,867 10,400	3,368 17,355
Cummins			3,398	3,398			253
Glendora No. 26	139,854 66,747 29,196	59,502 50,424 18,619	10,624 32,011 6,060	209,980 149,182 53,875	98 1,809 84,985	1,229 46,675	760 14,228
Keeley Kettle Creek 27 Little Betty Birchwood	39,525 55,367	15,403 34,296	9,654 44,283	64,582 133,946			71,230
Mildred No. 2. Mildred No. 13. Paxton No. 8.			55,102 16,412 63,651	55,102 16,412 63,651			28,838
Peerless No. 27. Powers No. 7. Reliance. Rose Hill	35,403 6,908 38,943	16,257 4,788 27,993	298 5,852	51,660 11,994 72,788	6,172	3,960	40,662
Jackson Hill No. 4		55,095	40,617	156,578			47,310
Star City No. 5 Star City No. 7 St. Clair No. 30	74,458	49,774		131,561			8,303 8,593
Steele-KattmanSunflowerSyndicateVirginia	69,641	47,943	5,886	123,660	20,853	10,689	14,198 41,708 5,538
Vandalia No. 10	75,181 1,438	65,150 1,073	69,264 47,758 47,154	209,595 50,269 47,154			901 5,572 9,368
Vandalia No. 16 Vandalia No. 17 Vandalia No. 23 Vandalia No. 29		10,046 1,554	196,069 187,656 193,620	219,251 189,839 193,620			8,657 98,385
Vigo No. 14. Vigo No. 22. Vigo No. 27. Vigo No. 28.			36,305 11,879 135,555 293,289	36,305 11,879 135,555 293,289			25,955 190 1,010 20,518
Totals	723,991	468,030	1,574,346	2,766,367	143,510	78,854	483,822

VANDERBURGH

Crescent No. 1	1	 				55,572
Totals		 9,196	9,196	36,744	34,207	180,214

Continued

COUNTY

		Distri	bution		Wage	s Paid	
	Grand Total	Tons in Indiana	Tons in other	Miners	Labo		Totals
Total			States		Inside	Outside	
22,405 44,178	15,049 22,405 108,592	15,049 22,405 93,107	15,485	16,354 26 27,623 50 118,269 78	11,653 66 23,181 72 91,145 32	6,513 06 17,963 65 38,341 33	34,520 98 68,768 87 247,756 43
253 132 3,798 146,088 71,230 2,957 28,838 10,032 40,662 47,310	3,651 210,112 149,182 3,798 199,963 71,230 64,582 133,946 2,957 55,102 16,412 92,489 61,692 11,994 472,788 40,662 156,578 47,310	2,803 48,346 99,454 49,765 63,047 26,143 114,068 7,957 28,382 5,391 76,909 19,468 3,853 5,590 40,662 110,185	848 161,766 49,728 983 150,198 8,183 38,439 19,878 26,720 11,021 15,580 42,224 8,141 17,698 46,393 27,358	3,738 93 219,746 53 157,093 31 5,234 16 210,579 96 172,906 24 59,190 59 140,533 61 4,552 95 58,979 72 17,926 62 112,369 40 72,287 79 13,847 26 78,599 74 51,329 23 207,079 31 57,751 29	3,155 40 107,597 94 62,561 54 1,545 22 76,395 53 46,593 60 49,197 49 73,659 65 4,463 23 38,929 87 15,540 18 75,752 98 54,755 03 4,986 90 80,245 43 27,683 89 90,186 19 45,827 49	1,769 63 47,696 74 32,527 46 1,235 85 41,545 35 14,532 50 33,422 82 37,381 40 2,811 59 35,411 54 9,854 39 34,109 10 26,514 21 2,961 44 36,006 65 30,864 28 50,165 219,470 80	8,603 96 375,041 21 252,182 31 8,015 23 328,520 84 234,032 34 141,810 80 251,624 66 11,827 77 133,321 13 43,321 13 222,231 48 153,557 03 21,795 60 194,851 82 109,877 40 123,049 58
7,973 8,303 8,593 45,740 41,703 5,535 901 5,572 9,368	7, 973 131, 561 8, 303 8, 593 45, 740 123, 660 41, 703 7, 497 210, 496 55, 841 189, 839 202, 277 98, 335 62, 260 136, 565 313, 807	7, 973 60, 016 4, 509 6, 454 24, 674 85, 421 39, 262 2, 355 177, 510 44, 895 54, 884 114, 351 75, 108 202, 277 97, 950 62, 280 10, 638 123, 220 277, 227	71,545 3,794 2,139 21,056 38,239 2,441 5,142 32,986 10,946 1,638 104,900 104,731 435 1,431 1,431 1,3345 36,580	10,658 51 115,340 10 9,764 72 9,286 32 61,260 42 179,800 83 47,486 88 8,659 76 219,624 77 65,681 78 61,885 97 227,436 24 198,726 81 198,726 81 104,252 88 127,509 74 66,844 97 13,940 19 153,547 30 357,825 92	3,875 38 70,971 37 7,948 47 10,433 67 33,606 58 4,981 68 7,927 80 136,257 32 40,925 80 112,499 20 117,008 57 97,306 61 46,094 27 39 112,888 38 146,347 59	3,128 04 48,367 28 6,711 70 9,020 79 16,827 15 68,265 19 8,587 10 9,675 20 48,365 03 14,349 67 17,216 03 32,674 02 48,365 32 44,655 40 41,655 40 42,042 26 15,003 24 4,677 11 32,174 57 38,477 74	17, 661 93 234, 678 75 27, 424 89 28, 740 78 111, 694 15 282, 441 57 91, 055 66 404, 247 12 120, 957 25 130, 488 80 372, 619 46 352, 609 82 343, 214 89 194, 033 22 135, 097 12 39, 044 69 298, 590 25 542, 651 25
706,186	3,472,553	2,380,562	1,091,991	3,945,578 29	2,123,549 03	966,028 97	7,035,156 29
COUNTY							
146,040	146,040	97,995	48,045	176,906 09	115,979 83	44,812 58	337,698 50

_	146,040 55,572 49,553	146,040 55,572 58,749	54,588	984		32,615 41	18,081 52	120,220 95
	251,165	260,361	211,332	49,029	326,467 33	204,710 02	87,498 19	618,675 54

TABLE—

VERMILLION

		Production—Tons									
Name of Mine		Machin	e mined		·	Pick mined					
	Screened	Slack and Nut	Mine Run	Total	Screened	Slack and Nut	Mine Run				
Bickett-Shirkie	16,650 154,457 282	13,638 191,547	61,370 39,623 42,607 15,223 45,111 84,718 3,453	61,370 39,623 42,607 45,511 391,115 84,718 3,842	53,745 84,961 2,077 16,577 5,528 53,372 44,635 83,737 22,018 3,588	23,062 63,538 1,726 13,109 5,223 66,830 57,196 49,111 14,044 3,045	104,631 68,559 8,096 130,573 91,471 43,731 71,956 20,920 86,512 237,880 1,791 60,120 68,089 1,355 89,779 6,516 3,939 14,700 119,784 40,094				
Totals	171,389	205,292	292,105	668,786	384,813	305,056	1,313,078				

VIGO

Bardyke	3,847	2,062	243	5,352	5,645	4,030	3,016
Black Betty	221,077	130,919	22,172	374,168			
Black Hawk	• • • • • • • • • •	• • • • • • • • • •		• • • • • • • • • • •	12,609	10,368	172,215
Burnett No. 1	9.721	4,149	19,513	33,383	61,278	33,438	44,265 6,344
Crawford No. 1			10,010	00,000	01,210	00,100	49,471
Deep Vein					21,870	11,955	11,928
(Abandoned April 30, 1921)			400 000	400 000			
Dering No. 6			439,930	439,930			29,277
Dry Fork							29,211
Dixie Bee							121,648
Fayette		120,891	24,842	340,815			10,744
Foxden							3,126
(Abandoned Feb. 10, 1921)							
Foxworthy				• • • • • • • • • • • • • • • • • • • •			
Glen Avr	47,467	34,329	111,303	193,099	15,380	11,180	39,725
Glencoe							138,479
Glendale							95,361
Glenjean			44,087	44,087	7,461	16,653	1,962
Hein	175,933	108,873	47,261	332.067	7,401	10,000	1,902
Kern No. 1		100,015					33,540
Lower Vein No. 1							132,477
Maple Grove				31,578			260,343
McClelland							73,076 216,905
Miami No. 5					295	551	396,127
Miami No. 8.		61,916	42,182	261,895	200		
Miami No. 9.						991	618,381
Miami No. 10			• • • • • • • • • • • • • • • • • • • •		140,666	93,914	60,180
Mary No. 2		4,868	• • • • • • • • • • •	21,309	153 4,513	5.058	1.911
Burnett No. 2				• • • • • • • • • • • • • • • • • • • •	4,515	0,000	25,643
(Abandoned January, 1921)							20,010
(•	•	•	•			

Continued

COUNTY

		Distrib	oution		Wages	Paid	
Total	Grand Total	Tons in Indiana	Tons in other States	Miners	Labo Inside	Outside	Totals
127,378 68,559 8,096 130,573 91,471 43,731 71,956 20,920 1,280 86,512 237,880 1,791 136,927 216,588 5,158 119,465 17,267	127,378 68,559 8,096 130,573 91,471 43,731 71,956 20,920 62,650 126,135 237,880 44,398 136,927 216,588 50,669 119,465 17,267	64,810 18,091 1,217 33,403 19,226 10,776 18,634 4,548 62,650 68,008 119,502 23,262 23,262 23,262 24,768 1,122 32,915 3,362	62,568 49,468 6,879 97,170 72,245 32,955 53,322 16,372 118,378 21,136 153,820 49,547,86,550 13,905	162,758 25 86,682 76 11,560 50 156,836 25 109,420 18 54,822 60 94,077 05 24,582 50 69,779 38 149,047 30 257,468 48 46,766 71 166,312 55 263,767 34 45,632 86 162,046 11 23,561 21	60,844 40 40,402 36 8,395 91 90,637 95 48,275 67 23,758 16 41,590 23 12,234 20 51,941 91 96,556 28 126,428 35 38,932 35 56,546 03 81,995 41 45,563 38 63,721 04 17,890 48	21,591 70 23,674 77 4,762 07 35,399 18 20,975 93 9,421 25 17,762 27 6,434 75 26,742 64 44,661 29 45,024 01 16,834 45 44,886 70 33,405 94 18,349 25 6,403 74	246,623 85 150,759 89 24,718 48 282,873 38 178,671 78 88,002 01 153,429 55 43,271 50 148,464 13 290,265 28 290,265 28 290,265 43 27,745 24 379,168 69 109,545 49 268,710 40 47,855 43
124,143 116,531 119,784 172,942 47,198 36,799	124,143 507,646 119,784 172,942 84,718 51,040 36,799	51,246 257,464 432 61,538 293 51,040 20,503	72,897 250,182 119,352 111,404 84,425	139,228 90 549,596 05 141,358 01 219,358 19 109,667 83 79,101 26 51,911 74	77,102 74 309,408 08 47,957 22 65,743 20 58,052 96 35,509 37 33,567 58	32,839 50 113,970 09 26,173 06 26,394 25 66,932 85 33,303 20 18,585 13	249,171 14 972,974 22 215,488 29 311,495 64 234,653 64 147,913 83 104,064 45
2,002,947	2,671,733	1,124,735	1,546,998	3,175,344 21	1,533,055 23	737,511 27	5,445,910 71
12,691 172,215 67,242 101,060 49,471 45,753	18,043 374,168 172,215 67,242 134,443 49,471 45,753	3,605 115,665 172,215 14,564 40,213 26,675 19,903	14,438 258,503 52,678 94,231 22,796 25,850	27,610 45 380,875 77 189,427 38 79,589 84 169,832 85 66,707 70 51,450 79	9,987 40 158,247 67 100,255 23 56,533 04 80,826 05 30,396 54 40,678 31	11,584 60 67,230 94 33,310 39 20,165 36 52,743 35 13,613 66 12,001 59	49,182 45 606,354 38 322,993 00 156,288 24 303,402 25 110,717 90 104,130 69
29,277	439,930 29,277	218,644 11,290	221,286 17,987	444,101 12 35,776 51	176,569 01 17,531 67	75,576 66 5,779 17	696,246 79 59,087 35
121,648 10,744 3,126	121,648 351,559 3,126	42,939 138,717 1,926	78,709 212,842 1,200	142,635 19 352,598 92 4,376 46	64,381 84 116,107 22 1,066 56	12,925 57 52,009 96 8,030 83	228,942 60 -520,716 10 6,273 85
66, 285 138, 479 95, 361 26, 076 33, 540 132, 642 260, 343 73, 076 216, 905 396, 973	259,333 138,479 95,361 44,087 26,076 332,067 33,540 132,642 291,921 73,076 216,905 396,973 261,895 619,372 294,760	25,867 25,881 166,847 33,540 132,642 30,655	41,520 195 165,220 251,266 6,464 173,527	263,911 98 158,298 82 108,153 05 50,747 00 16,019 31 360,029 18 167,563 98 353,078 87 99,790 72 270,899 52 453,532 99 275,241 67 735,184 29 355,433 41	59,076 25 10,278 93 113,798 81 31,443 41 74,748 47 137,201 17 56,004 27 105,550 70	46,057 60 14,665 70 13,951 60 18,728 20 5,190 28 59,300 77 31,664 61 25,751 59 58,323 95 52,770 359 20,989 55 52,547 76 56,686 50 70,293 12 58,730 39	727,903 46

TABLE-

VIGO

		Production—Tons								
Name of Mine		Machin	e mined		Pick mined					
	Screened	Slack and Nut	Mine Run	Total	Screened	Slack and Nut	Mine Run			
National. OtterValley. Pine Ridge. Puritan. Richards (New mine). Riverside. Shirkie No. 1. Sanford No. 2. Speedwell No. 2. Speedwell No. 2. St. Mary's (New mine). Sterling. (Abandoned March 19, 1921) Submarine. Sugar Valley. Sunbeam No. 1. Talleydale. Vandalia No. 74. Vandalia No. 82. Wabash. Water Lily. Willow Creek Wizard No. 2. Soules No. 1. Burnett No. 2.	93,828	56,383 (Norecord) 20,752	30,296 4,746 103,465	180,507 190,190 69,327 103,465	435 19,018 7,217	50 (No record)	133,971 16,468 75,967 7,333 27,280 82,959 68,405 111,900 91,111 101,390 63,326 303,801 31,567 72,740 1,292 3,514 1,911			
Totals	964,752	545,142	921,618	2,431,512	330,998	229,621	3,741,088			

WARRICK

Big Four No. 3.				7.323	14,621	17,776
Caledonia No. 3 Castle Garden No. 6						57,033 15,849
Chandler						27,003
DeForest					10,457	9,867
Cox No. 1				5,313	5,427	4,409 6,480
Epworth						51,331
Erie Canal		 102,227	102,227			
Fricke & Blair	• • • • • • • • •	 10,895 129,077	10,895 $129,077$			33,504
Korff No. 1			29,802			57,207
Polk Patch No. 5		 38,011	38,011			
Red Shaft					18,712	56,018 $21,442$
Sargeant No. 1						15.011
Totals		 444,202	444,202	48,890	49,217	372,930

Consinued

COUNTY-Continued

		Distri	bution		Wage	s Paid	
	Grand Total	Tons in	Tons in		Labo	orers	1
Total	10001	Indiana	other States	Miners	Inside	Outside	Totals
133,971 16,468 75,967 7,333		4,923 1,836	74,131		11,942 73 54,728 55	6,393 92	43,526 90 157,602 11
27,280 82,959 68,405	82,959	9,639 40,107	73,320 28,298	108,967 57 87,543 47	61,433 20 49,751 89	22,987 75 23,777 77	183,388 52 161,073 13
485 14,855				847 84 2 43,765 95	,		
111,909 91,111	111,909	103,565 88,036 17,242	8,344	136,853 70	50,517 64 47,608 12	23,705 28 18,496 39	211,076 62 179,058 00
101,390 88,665 303,801	101,390 88,665 407,266	62,101 67,693 192,626	39,289 20,972 214,640	123,752 72 111,695 74 441,672 20	83,240 97 57,116 68 186,518 00	26,677 72 25,059 59 67,956 00	233,671 41 193,872 01 696,146 20
31,567 82,744 49,314 12,539	49,314	74,011 36,606	8,733 12,708		43,278 45 37,875 71	15,922 16	169,423 29 118,014 61
11,482	11,482	2,648	8,834	15,643 48	9,480 81	13,373 63	38,497 92
4,301,707	6, 733, 219	3,228,764	3,504,455	7,936,221 83	3,772,456 45	1,421,211 98	13, 129, 890 26

COUNTY

			· · · · · · · · · · · · · · · · · · ·				
17,776	74.748	57	74,691	73,836 80	37.054 82	15.204 75	126,096 37
78,977	78,977	33,486	45,491	110,901 51	38,604 69	31,789 43	181,295 63
15,849	15,849	5,402	10,447	18,316 05	12,650 31	5,318 32	36,274 68
27,003	27,003	7,895	19,108	29,895 56	14,687 06	8,781 73	62,364 73
38,682	38,682	4,535		51,581 69	35,786 03	16.664 76	104,032 48
15,149	15,149	10,161		21,083 93	8,844 33	7,996 81	37,925 07
6,480	83,698	80.581		85,270 80	51,332 84	29,702 94	166,306 58
51,331	51,331	39,835		66,224 59	22,594 44	19,905 99	108,725 02
01,001	102,227	45,016		125.674 42	39,052 34	22,030 08	186,756 84
33,504	44,399	37,705		54.170 66	24,556 26	37,467 05	116,193 97
00,001	129,077	18,916		134,263 35	64,383 59	20,972 71	219,619 65
57,207	87,009	77,178		99,319 20	68,158 15	27,507 04	194,984 39
01,201	38,011	18,452		39,656 62	11,171 83	13,310 50	64.138 95
56,018	56,018	56,018		67,490 90	23,912 66	19,343 21	110,746 77
58,050	58,050	41,596			31,145 60	13,942 52	117.351 14
15,011	15,011	8,941		19,477 79	12,935 42	5,889 58	38,302 79
471,037	915,239	485,774	429,465	1,069,426 89	496,870 37	295,827 42	1,862,124 68

RECAPIT

Showing Total Production and Wages Paid in Indiana Mines

TOTAL PRODUCTION OF

	Machine mined				Pick mined			
Kind of Coal	Tons of Screened Coal	Tons of Slack and Nut	Tons of Mine Run	Total Machine	Tons of Screened Coal	Tons of Slack and Nut	Tons of Mine Run	
Total machine mined block coal	40,249	9,516	7,710	57,475	10,714	2,738	14,511	
Totals	40,249	9,516	7,710	57,475	10,714	2,738	14,51	

TOTAL PRODUCTION OF

Total machine mined Bitu- uminous coal Total pick mined Bitumi- nous coal				, ,	1,183,229	865,285	7,989,020
Totals	3,437,171	2,344,461			1,183,229		7,989,020
Total machine mined coal	3,477,420	2,353,977					
Total pick mined coal					1,193,843		8,003,531
Grand Total	3,477,420	2,353,977	5,922,891	11,754,378	1,193,943	868,023	8,003,531
	·		l	L		<u> </u>	

HLATION

for the Fiscal Year Ending September 30, 1921

BLOCK COAL AND WAGES PAID

Grand	Distrib	ution		Wages Pa	aid	
Total, Tons	Indiana	Other States -	To Miners	Inside Daymen	Outside Daymen	Total Wages
						\$398,902 41
	Total, Tons	Grand Total, Tons Indiana	Grand Total, Tons Indiana Other States	Grand Total, Tons Indiana Other States To Miners	Grand Total, Tons Indiana Other States To Miners Inside Daymen	Grand Total, Tons Indiana Other States To Miners Inside Daymen Outside Daymen

BITUMINOUS COAL AND WAGES PAID

 	7 \$25,169,926 99 \$5,667,242 19 \$43,436,624
 	 2 \$25,318,311 89 \$5,742,790 65 \$43,835,527

INDIANA MINE DIRECTORY

CLAY COUNTY

NAME OF COMPANY	Address	Name of Mine	Location	Railroad
A manifest Vitalia of Daniel and A			1/ mostly month of Daniel	Product consumed
	Sullivan	Red Rag	A HILLE HOLDINGS OI DIAZII	
	Terre Haute	Lewis	1/2 mile east of Coalmont	C. T. H. & S. E.
	Coalmont	Bolt	Near Coalmont	C. T. H. & D. E.
Brazil Rlock Coal & Clay Company	Brazil.	Crawford No. 12	6 miles northwest of Perth	C. & E. I.
	Brazil		2 miles west of Brazil	Product consumed
	Brazil		Brazil	
Brazil District Mining Company.	Brazil			Vandalia
Climax Coal & Clay Company	Saline City			: &: :: :::::::::::::::::::::::::::::::
Coal Bluff Mining Company	Terre Haute			C. & E. I.
Howall Coal Company	Indianapolis	Lowish	1) Near Stauliton	Vandalia
Interurban Coal Company	Clinton			Traction Line
Kunkelman & Bennie Coal Company.	Jasonville.	Primrose No. 2.		
Kunkelman & Bennie Coal Company	Jasonville	Primrose No. 3.		Wagon
Marmon-McBride & Hyde Coal Company	Brazil	Hyde	Deaulivon	мавош
Rowland-Power Con. Colleries	Terre Haute	No. 6 Powers	Staunton	Vandalia
Rowfand-Power Con. Collieries	Terre Haute	No. 8 Old Glory.	Clay City	Wagon
United Fourth Vein Coal Company	Linton	Island Valley	1/2 mile northeast of Jasonville	C. T. H. & S. E.
White Ash Coal Company	Jasonville	White Ash No. 1	Jasonville	C. T. H. & S. E.

DAVIESS COUNTY

έI.	έΙ.		
喧	斑		
Washington.			
Washington 5 miles sout	Washington		
	Thrifty No. 2 Thrifty No. 2 Oal Care No. 1		White River No. 1.
			WashingtonCannelburg
Commerce Coal Company Davies County Fuel Commany	Green Mound of Company	Riverview Coal Company	South Washington Coal Company White River Mining Company

GIBSON COUNTY

Southern C. & E. I. Southern		○ 7.7 H を S. C.7.7 H を S. C.7.7 H を S. C.7.7 H を S. E. C.7.		L. & V.
1/2 mile South Brown Statton 2/3 mile south of Fort Branch 21/2 mile south Oakland City 1 mile west of Princeton		8 miles northwest of Linton. 3 miles southwest of Jasonville. Nar Linton. 14 mile east of Jasonville. 15 mile east of Jasonville. 16 miles east of Midland. 27 miles west of Midland. 2 miles west of Linton. 2 miles east of Linton. 2 miles east of Linton. 3 miles south of Jasonville. 15 miles south of Jasonville. 15 miles south of Jasonville. 16 miles south of Jasonville. 17 miles outh of Jasonville. 18 miles west of Linton. Midland. Midland. 1 mile northwest of Linton. Near Vicksburg. 2 miles west of Linton. Near Vicksburg. 2 miles west of Janton. Near Vicksburg. 2 miles west of Janton. 3 miles west of Linton. 3 miles west of Jasonville.		4 miles south of Bicknell
Francisco Liberty No Usekskin No. 2. Gudgel. Princeton.	GREENE COUNTY	Antoch No. 2 Big Twelve No. 1 Big Twelve No. 1 Bon Ayr No. 1 Calora No. 1 Calora No. 2 Hoosier Coal Ridge No. 1 Jewell No. 2 Lelvoir Liberty Jewell No. 2 Jewell No. 2 Jewell No. 4 Spring Valey No. 1 Jewell No. 4 Spring Valey No. 1 Jewell No. 1 Jewell No. 2 Queen No. 3 Queen No. 3 Queen No. 3 Queen Hill No. 1 Black Creek Rieppy Eye No. 1 Black Creek Wigo No. 6 Vigo No. 7 J. & M. 7	KNOX COUNTY	American No. 1
Francisco Louisville, Ky. Evansville. Fort Branch Oakland City.		Linton Jasonville Jinton Jasonville Jiston Jasonville Jinton Terre Haute Linton Terre Haute Jasonville Jerre Haute Terre Haute		Bicknell
Ayrshire District Collieries Big Four Coal Company. Bosse Coal Company. Care Branch, Coal Mining Company. Oakland Coal Company.		Ayrdale Coal Company Big Twelve Coal Company Bon Ayr Coal Company Bon Ayr Coal Company Calora Coal Company Calora Coal Company Cathlen Coal Company Cathlen Coal Company Coal Ridge Mining Company Cen Niley Coal Company Listory Coal Company Queen Coal & Mining Company Queen Coal & Mining Company Coal Experime Coal Company Coal Experime Coal Company Vigeo Mining Company Video Mining Company		American Coal Mining Company

Indiana Mine Directory—Continued

KNOX COUNTY-Continued

Railroad	L. & V. verdelia Vandalia Vandalia L. & V. L. & V.		E. & I.		No railroad Vandalia Vandalia C. & E. I.		Southern Southern Southern Southern
Location	Bicknell Bruceville Bicknell I mile east of Bicknell Near Bicknell Near Bicknell I mile southeast of Bicknell I mile south of Bicknell		2 miles south of Coal City		2½ miles north of Carbon 1½ mile east of Jessup. 1½ mile south of Rockville 3 miles east of Diamond.		14 mile southwest of Winslow 3½ miles west of Winslow 4 miles southwest of Winslow Near Arrainre 3 miles east of Oakland City.
Name of Mine	Lynn No. 1 Westphalia No. 1 Pan Handle No. 5 Pan Handle No. 6 Rox Mheatland Tecumseh No. 1 Tecumseh No. 2.	OWEN COUNTY	Mathews	PARKE COUNTY	Ames No. 1 Irene Frog Pond No. 1 No. 1 Williams Creek No. 1 No. 6	PIKE COUNTY	Ayrshire No. 4 Ayrshire No. 6 Ayrshire No. 7 Ayrshire No. 8 Fork Ridge No. 1 Gladstone No. 1
Address	Bloomfeld Bicknell Wincennes Bicknell Bicknell Wincennes Bicknell Bicknell		Greencastle		Carbon Brasil Rockville. Terre Haute Rockville. Brasil		Oakland Gity Oakland Gity Oakland Gity Oakland Gity Oakland Gity Oakland Gity
NAME OF COMPANY	Indiana Power Company Knox County Fourth Vein Company Knox County Fourth Vein Company County Fan Handle Coal Company Fan Handle Coal Company Ridge Coal Minne Company Standard Coal Company Tecumsch Minnig Company Tecumsch Minnig Company		Putnam Coal Company.	,	Ames Coal Company. Garbon Hill Coal Company Harrison, W. P., & Sons Coal Company Rockrille Coal Mining Company Sand Greek Coal Company Williams Greek Coal Company Zeller-McClelland Coal Company		Ayrshire Coal Company Ayrshire Coal Company Ayrshire Coal Company Ayrshire Coal Company Fork Ridge Coal Company Gadstone Coal Company

E. & I. E. & I. E. & I. E. I. & I. Southern		Southern	•	C & E I. C & E I. C & E I. I C C. C & E I. I C C. C & E I. Monon E & T. E I. & E I. I C C. E I. C & E I. I C C. Wagon C & E I. I C C.
Blackburn Littles Muren Muren Muren 194 mile north of Petersburg 6 miles south of Winslow		1½ miles east of Lincoln City		Hymera 3 miles cast of Farmersburg 2½ miles southwest of Shelburn Dugger Near Sullivan Familes northeast of Sullivan Hymera 2½ miles northeast of Shelburn Linton Hymera 2½ miles southwest of Linton 4 miles southwest of Linton 3 miles east of Farmersburg Shelburn Shelburn Shelburn Shelburn Shelburn 2 miles northeast Sullivan
Blackburn No. 2. Littles No. 1. Atlas No. 1. Atlas No. 1. Simplex No. 3. Beech Nos. 3 and 4. Hartwell Winslow No. 2.	SPENCER COUNTY	Oak Knob. Fox Hill No. 1	SULLIVAN COUNTY	Birchwood No. 1 Kettle Creek No. 27 Bestann No. 1 Carlisle No. 1 Carlisle No. 1 Carlisle No. 1 Mayflower Reeley Reeley Rodd Hamilton No. 1 Hamilton No. 2 Jackson Hill No. 4 Little Betty No. 1 Little Betty No. 1 Little Betty No. 1 Shallow Valley No. 1 Shallow Valley No. 1 Star City No. 5 Star City No. 2 Star City No. 2 Star City No. 2 Star City No. 2 Shan City No.
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INDIANA MINE DIRECTORY—Continued

SULLIVAN COUNTY-Continued

	Railroad	I. & V. Vandalia Vandalia Vandalia I. & V. C. I. & L. I. C. I. C. Monon C. & E. I.		L. & N. Wagon L. & N.		CTH & S.E. COC THR &
	Location	2 miles southwest of Dugger. 2½ miles woth of Dugger. 2 miles south of Dugger. 2½ miles west of Dugger. 2½ miles southwest of Linton. 5 miles southwest of Linton. 2½ miles southwest of Dugger. 3 miles southwest of Dugger. 3 miles southwest of Dass of miles southwest of Jason/ille. 4 miles south of Hymera. 1 mile east of Paxton. 4 miles southeast of Shelburn. 3½ miles east of Shelburn.		Evansville Evansville Evansville		1 mile northeast of Libertyville. 115 mile southwest of Clinton. 115 mile southwest of Clinton. 15 miles northwest of Clinton. 15 miles northwest of Clinton. 2 miles south of Dana. 2 miles south of Dana. 15 miles south of Dana. 15 mile south of Libertyville. 1 mile north of Libertyville. 1 mile north of Libertyville. 2 mile from Blanford.
SULLIVAN COUNTY—Continued	Name of Mine	Vandalia No. 10 Vandalia No. 12 Vandalia No. 12 Vandalia No. 17 Vandalia No. 23 Vigo No. 15 Vigo No. 27 Vigo No. 22 Vigo No. 28 Vigo No. 29 Vigo No. 20 Vigo No. 2	VANDERBURGH COUNTY	Crescent. Diamond. Sunnyside.	VERMILLION COUNTY	No. 1. Crown Hill No. 2. Crown Hill No. 3. Crown Hill No. 4. Crown Hill No. 6. Crown Hill No. 6. Crown Hill No. 8. Dans No. 1. Dering No. 8. Essanbee No. 3. Interstate No. 1.
ing.	Address	Terre Haute Sullivan Evansville	-	Evansville. Evansville. Bvansville.		Terre Haute Clinton Dana Clinton Dara Clinton Terre Haute Terre Haute
	NAME OF COMPANY	Vandalia Coal Company Vigo Mining Company Mooley, J., Coal Company		Crescent Coal Company Diamond Coal Company Sunnyside Coal Company		Bickett-Shirkie Coal Company Clinton Coal Company Dana Coal & Mining Company Dering, J. K., Coal Company Essanbee Mines Company Essanbee Mines Company Essanbee Mines Company Essanbee Mines Company

CC CC A. H. A. S. S. B. C. CC CC A. B. L. A. S. S. B. CC CC A. B. B. CC CC A. B. B. CC CC A. B. B. CC		200000000000000000000000000000000000
3 miles northwest of Libertyville 11/4 mile north Newport. 3 miles southwest of Clinton. 23/4 miles south of Clinton. 15/4 miles southwest of Clinton. 15/4 miles northwest of Clinton. 17/5 miles northwest of Clinton.		Near Terre Haute Black Hawk. I mile northwest of Terre Haute 2 miles northwest of Terre Haute Clinton 7 miles northwest of Terre Haute Clinton 1½ mile south of West Terumseh 1½ mile south of West Terumseh 1½ mile south of West Terre Haute 1½ mile south of West Terre Haute 2 miles east of Terre Haute 3 miles east of Terre Haute 5 miles east of Terre Haute 6 miles east of Terre Haute 7 miles outh of Shirkaville 1 mile west of West Terre Haute 8 miles south of Clinton 1 mile south of Clinton 6 miles south of Clinton 7 miles southwest of Clinton 8 miles south of Sontanet 2 miles north of Sontanet 8 miles north of Sontanet
Jackson Hill No. 6. Newport No. 1. Newport No. 1. Keller No. 2. Keller No. 2. Keller No. 5. Tighe No. 1. Universal No. 4. Universal No. 5. No. 1.	VIGO COUNTY	Pine Ridge Back Hawk No. 1 No. 1 No. 1 No. 1 No. 1 No. 1 Deprovent No. 1 Dry Fork No. 1 Bardyke Bardyke Forworthy No. 1 Glenco No. 2 Jackson Hill No. 5 Jackson Hill No. 5 Jackson Hill No. 5 Mazard No. 2 Jackson Hill No. 8 Miami No. 6 Miami No. 9 Miami No. 9 Miami No. 10 Mary No. 2
Terre Haute Newport Olinton Clinton Clinton Clinton Terre Haute Universal Universal Clinton Terre Haute		Terre Haute Black Hawk Brazil Brazil Ferre Haute Terre Haute
Jackson Hill Coal & Coke Company Newport Coal Mining Company Indiana & Ulinois Coal Corporation Indiana & Illinois Coal Corporation Indiana & Illinois Coal Corporation Indiana & Illinois Coal Corporation The Coal Company United States Fluel Company United States Fluel Company Vermillion Coal Company West Clinton Coal Company		Binkley, L. G., Coal Company Black Hawk Coal Company Black Hawk Coal Company Crawford Coal Company Crawford Coal Company Crawford Coal Company Deep Fourth Vein Coal Company Dering, J. K., Coal Company Enverte Realty & Development Company Fergenson-Spears Coal Company Fort Harrison Mining Company Glen Arr Coal Company Glen Arr Coal Company Glen Coal Company Maining Coal Company Maining Coal Company Maining Coal Company Miami Coal Company Otter Creek Coal Company

Indiana Mine Directory—Continued VIGO COUNTY—Continued

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Railroad	E. & I. C. C. C. & St. L. C. C. C. E. St. L. C. T. H. & S. E. Product consumed Vandalia Vandalia C. & E. I. C. C. & St. L. C. C. & St. L. C. C. C. & St. L. Vandalia		E. S. & N. Southern Southern Southern Southern Southern E. & N. Wagon. F. S. & N. Wagon. E. S. & N. E. S. & N. E. S. & N. Southern Southern Southern Southern Southern Southern
Location	2 miles northwest of Riley. 2 miles east of Sanford. 8 miles northwest of Terre Haute. 5 miles northwest of Terre Haute. 125 miles northwest of Terre Haute. 126 miles northwest of West Terre Haute. 127 mile southwest of West Terre Haute. 124 mile southwest of West Terre Haute. 124 mile southwest of West Terre Haute. 124 mile north of Fontante. 2 miles north of West Terre Haute. Seeleyville.		15 mile east of Newburg. 2 miles east of Boonville. 1 mile west of Chandre. 3 miles west of Boonville. 3 miles west of Boonville. 14 mile southwest of Elberfeld. 15 miles west of Moonville. 15 miles west of Newburg. 15 miles word to Newburg. 15 miles northwast of Newburg. 15 miles northwast of Newburg. 15 miles northwast of Newburg. 16 miles northwast of Ganadler. 2 miles west of Chandler.
Name of Mine	Ricchards No. 1. Water Lily. Seafford No. 2. Seafford No. 2. Seafford No. 2. Sharker No. 1. Sharker No. 1. Supherm No. 1. Vandalia No. 74. Vandalia No. 74. Warshell Watheshell Wathshell Wabash Wallow Creek No. 1.	WARRICK COUNTY	Red Shaft. Big Four No. 3 Deforest Chardler Cox Mo. 1 John Bull Elberfeld Ere Canal Frece Share Caledonia No. 3 Bargeant No. 1 Sargeant No. 2 Sargeant No. 2 Polk Patch No. 5 Polk Patch No. 6 Castle Garden No. 6
Address	Terre Haute		Evansville. Boonville. Boansielle. Evansville. Fyansville. Yankertown Boonville. Elberfeld. Boonville. Evansville. Evansville. Næburg. Næburg. Næburg. Næburg. Næburg.
NAME OF COMPANY	Richards & Sons Coal Company. Balley Coal Company. Sanford Mining Company. Saleby Coal & Canpany. Shirkley Coal Company. Shirkle Coal Company. Shirkle Coal Company. Sunbeam Coal Company. Vandilise Coal Company. Vandilise Coal Company. Vandilise Coal Company. Western Indiana Mining Company. Durand Coal Company.		Archbold, John, Coal Company Big Four Coal Company Broan-fle Minag Company Broan-fle Minag Company Broan-fle Minage Company Bosse Coal Company Cox Coal Company Cox Coal Company Cox Coal Company Elperfeld Co-operative Coal Company Erie Canal Coal Company Elperfe & Balar Coal Company Key Coal Company Key Coal Company Key Coal Company Sargeant Coal Company Sargeant Coal Company Sargeant Coal Company Warrick Coal Mining Company Warrick Coal Mining Company Warrick Coal Mining Company Warrick Coal Mining Company

REPORT OF THE DEPARTMENT OF WOMEN AND CHILDREN

For the Fiscal Year Ending September 30, 1921

PERSONNEL

MRS. L. LUELLA COX, Director.
MISS JULE NELSON, Assistant, Lowell.
MISS NELLE WOOD, Secretary, Indianapolis.
MISS EDITH VENN, Certificate Clerk, Indianapolis.

The department completed its second fiscal year on September 30, 1921. During this year a certificate clerk was added to the clerical staff and we continued with but one field worker. Since September 1, 1921, we have had no one in the field, as Miss Nelson resigned and left on that date to accept a position elsewhere. Miss Nelson spent two months during the year in the office and resigned one month prior to the close of the fiscal year. Therefore, the field work herein reported represents nine months' work of one woman except for a very limited amount of field work done by the director of the department.

INSPECTIONS

The following is a summary of field work done during the year and results obtained:

Cities in which inspections were made	79
Plants inspected 5	36
Plants reinspected	9
Plants visited but not inspected	70
Men employed in plants inspected	08
Women employed in plants inspected10,7	64
Children under 16 years of age	89
Orders and recommendations issued	53
Orders and recommendations complied with in full	75
Employers who complied with orders in full 4	86

Of the 536 plants inspected and to whom orders were issued, 50 plants, to whom 178 orders had been issued, had not complied at the close of the fiscal year, or at least had sent in no notice of compliance. Three of the 50 firms, to whom 13 orders had been issued, went out of business before the close of the year. One firm, to whom four orders had been issued, had complied with these in part, and 5 orders issued to one firm were suspended by the department. After the close of the fiscal year and before this report went to press, 19 of the 50 firms reported above as not having complied and to whom 88 orders had been issued, notified the department of their compliance. Taking into consideration the 3 firms that went out of business and the 19 firms that notified the department of their compliance after the close of the fiscal year, 28 firms to whom 71 orders were issued have not complied with the orders and recommendations of the department. These have been listed for reinspection. Of the 2,253 orders and recommendations issued, 373 were concerning improved working conditions for women,

and one was for the removal of women from the night shift of a manufacturing establishment.

Besides the inspections made, the director and assistant have called upon the city superintendent of schools, the county superintendent (or other person authorized to issue employment certificates), or health officers, and sometimes upon each of these in 26 counties in the state. Some of the counties were visited several times and in all 208 conferences, many by request, were held with these officials on questions of common interest and requiring close co-operation. Credit is due school officials and health officers for their splendid co-operation on all matters touching in common the work of the educational, health, and industrial departments. As a result of these conferences we feel that while each department has its peculiar and special problems all departments are realizing more their common interests centering around the child.

Number and nature of violations of law concerning employment of women and minors:

Minors 14 to 16 years of age working without Employment Certificates	188
Minors 16 to 18 years of age working without Minor's Certificates or other	
evidence of age	819
Minors under 14 years of age	. 8
Minors 14 to 16 years of age working over 8 hours per day	264
Minors 14 to 16 years of age working over 6 days per week	23
Minors 14 to 16 years of age working after 7 p. m	18
Girls 16 to 18 working over 10 hours per day under former law	120
Girls 16 to 18 working over 8 hours per day under new law	139
Minors working at prohibited occupations	2
Employers violating one or more provisions of employment laws	208
Warnings issued	208
Warnings resulting in correction of violations	158
Firms listed for reinspection	
Firms prosecuted for continued violation after receipt of warning	2

PROSECUTIONS

Ten affidavits were filed with the prosecuting attorney of Vanderburgh County and the cases set for trial at several different times, as noted in the last annual report, finally came to trial Derember 27, 1920. The cases were all against the same employer. Two affidavits were withdrawn before the cases came up for trial. The remaining eight cases were won, and the minimum fine in each case was assessed by a jury, the jury being demanded by the defense.

Thirteen affidavits were filed with the prosecuting attorney of Gibson County against an employer found violating the law September 27th, after a warning had been issued for first violation. The employer pleaded guilty, and by agreement with the Industrial Board six affidavits were withdrawn and the minimum fine assessed in seven cases. As the violations in these thirteen cases were not violations of the federal child labor law there was no occasion for certifying them to the Internal Revenue Bureau for collection of the tax.

There will be no certifications to the federal government unless upon reinspection of the twenty-eight employers listed above for reinspection because of their failure to send in notice of compliance with the orders issued to them, they or some of them are found guilty of continued violations. Four affidavits were filed with the prosecuting attorney of Marion County for continued violations of the child labor law after receipt of warning. Because of very definite action by the management of the firm to prevent the possibility of further violations, the department consented that the hearing of the cases be indefinitely postponed.

ACCIDENTS

The department investigated the ages of 99 boys and 30 girls under 16 years of age, and 562 boys and 159 girls under 18 years of age, who met with industrial injuries during the year, and the nature of the occupations in which they were engaged. Of these, 43 cases of minors under 16 years of age and 405 cases of minors under 18 years of age were certified to the compensation board because of illegal employment, thus establishing the fact that the cases were not compensable under the Indiana Workmen's Compensation Act. Twelve cases of accidents to women and children were referred to the factory inspection department for safeguarding the machinery on which the accidents occurred.

The reports of the compensation board record 916 accidents to children 16 years of age and under during the fiscal year 1919-1920, and 448 accidents to children of the same ages during the fiscal year 1920-1921, a decrease of 51 per cent. Investigations made by the department seem to indicate very slight, if any, decrease in the employment of children under 16 years of age. The 51 per cent decrease in accidents to children under 16 years of age must be almost entirely due to more effective law enforcement.

CHILDREN IN INDUSTRY AND EMPLOYMENT CERTIFICATES

The Industrial Board and the State Department of Public Instruction continued to operate, in the matter of employment certificates, under the plan worked out by the state and federal department mentioned in the last annual report until May 31, 1921, when the new law became effective. This law not only codifies, harmonizes, and clarifies all existing state laws on the subject of the employment of minors, but it also raises the standards of ages and hours of employment to the standards set up in the federal child labor act. In complying with the provisions of the state law employers are now assured that they are meeting all the requirements of the federal act and are thus free from liability for the payment of the 10 per cent excise tax for the employment of child labor. Under the new law Indiana is designated by the Internal Revenue Bureau as a state in which certificates issued strictly in accordance with the state law will be accepted for purposes of the federal law.

The following table is a partial summary of the work of receiving, editing, and filing duplicates of certificates issued by 233 school corporations throughout the state. Data as to the different kinds of documentary evidence used in determining the legal age of minors to whom certificates were issued, the kinds of industry which these minors entered, and the reasons given by employers why minors left their jobs, have been compiled and are available in our office, but for lack of space are not included in this table.

TABLE

DUPLICATE EMPLOYMENT CERTIFICATES ISSUED TO CHILDREN BETWEEN 14 AND 18 YEARS OF AGE, RECEIVED DURING THE FISCAL, YEAR ENDING SEPTEMBER 30, 1921

Including regular certificates classified as to sex, age, school grade completed, and evidence of age; vacation and holiday certificates; regular certificates reissued; certificates reissued; certificates of age.

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TABLE I-Continued

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-1001 11 12 10 10 127 1 40004 1 141 100 101 10 10 10 10 10 10 10 10 10 10	,559 4
24 1 1 22 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	,8663
<u> </u>	25,
ben County. Ageolda. Amegolda. Amegolda. Sullivain. Sullivain. Sullivain. Sullivain. Metal Jargette. Metal Jargette. Mindfall. Windfall. County. Cayuga. Cayuga. Cayuga. Cayuga. Cayuga. Cayuga. Chana. West Terre Haute Samersel. West Terre Haute West Terre Mande West Terre Haute West County. Williamsport Wondown Monticello. Gounty Williamsport Wondown Monticello. Monticello.	
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Steuben County. Angola. Sullivan County. Carlisle. Sullivan County. Tippecanoe County. Tippecanoe County. Tippecanoe County. Tippecanoe County. Tipton. Union County. Tipton. Union County. Vernillion County. Evansulle. Vernillion County. Claron. Vigo County. Claron. Vigo County. There Haut. Wabash. Warest Terre Haut. Wabash. Warest County. Walisansport. Warisk. Warbash. Warest. Urbana. Wabash. Warbash. Warbash. Warbash. Warbash. Warbash. Warbash. Wabash. Warbash. Warba	Total
Switz Switz Switz Switz Trppo Verm Wash Wash Wash Wash Wash Wash	1

(a) This number does not include 4 children whose ages were not given, and 2 children under 14 years of age to whom certificates were issued.

Table I shows 10,712 minors between the ages of 14 and 16 years working on employment certificates during the fiscal year. Of this number 3,559 received their first certificate during this year, and 7,153 who received their first certificate last year worked all or part of this year before reaching the age of 16 years, the limit for compulsory school attendance.

In cities and towns having boards of school trustees the issuing officer is the superintendent of schools; in all other school corporations the county superintendent of schools is the issuing officer. Ten county superintendents did not file duplicate or subsequent certificates in our office: Allen, Crawford, Jasper, Jay, Pulaski, Rush, Scott, Steuben, Switzerland, and Warrick. In two of these counties, Crawford and Jasper, no duplicate or subsequent certificates were filed either by the county superintendent or by any city or town issuing officer. Of the 98 cities in the state we received duplicate certificates from 93; of the 91 towns having boards of school trustees we received duplicates from 42. There are 301 incorporated towns in the state that do not have boards of school trustees. We have received duplicate certificates from 18 of these towns, issued either by the county superintendent of schools or by some person designated by him and approved by the state attendance officer.

This shows a total of 347 school corporations from whom we have received neither first regular nor subsequent certificates during the year. This indicates either that no minors between the ages of 14 and 16 are employed in these districts or if employed they do not have the certificates necessary to lawful employment. Under the law all minors under the age of 16 years not employed upon a lawful certificate must attend school.

No first regular certificates were received this year from the towns of Montpelier, Galveston, Clarkesville, Brookville, Oldenburg, Middletown, Amboy, Osgood, Scottsburg, Walkerton, and Williamsport, and the counties of Carroll, Decatur, Lake, Marshall, Morgan, Newton, Posey, Randolph, Tippecanoe, and Union. We did receive from each of these towns and counties subsequent certificates for some of the children who received their first regular certificates last fiscal year. This indicates either that no additional children left school in these school corporations to enter employment this year or that they entered employment without the certificate necessary to lawful employment.

A comparison of Table I with a similar table published in our last annual report shows the following facts.

annual report shows the following facts.		
·. 1	919-20	1920-21
Per cent of certificates issued on birth records as evidence of age	49.5	41.2
Per cent of minors 14 to 16 years of age completing eighth grade be-		
fore leaving school	25.7	31.9
Per cent of minors 14 to 16 years of age finishing one or more years		
of high school before leaving school	5.6	5.5
Per cent of boys leaving school under 16 years of age	55.6	53.7
Per cent of girls leaving school under 16 years of age	44.3	46.2
Per cent of boys leaving school under 16 years who were under 15		
years of age	24.9	25.1
Per cent of girls leaving school under 16 years who were under 15		
years of age	19.4	21.7

Last year's report showed 11,794 children between 14 and 16 years of age leaving school to enter employment while this year's report shows 10,712, or 1,082 less than last year, and of the number leaving this year 6.2 per cent more had completed the 8th grade than last year. About the same per cent each year finished one or more years of high school.

A greater per cent of boys than girls under 16 years of age left school during the two years, but during the last year the percentage of boys under 16 years leaving school decreased nearly 2 per cent while the girls increased nearly 2 per cent, and the per cent of both boys and girls leaving during their 14th year increased over the figures for the preceding year. The new school attendance law was in effect during one school month of the last fiscal year and is undoubtedly the cause of the 6.2 per cent increase in the number of children who completed the 8th grade and also of the fact that 1,082 fewer children under 16 years of age left school this fiscal year than last. Unemployment of adults no doubt accounts for the increase in the per cent of boys and girls leaving school during their 14th year, and for the same cause a larger number of children under 16 years of age would have left school had it not been for the increase in the educational requirements.

In view of the fact that Indiana's designation as a state in which state certificates will be accepted for purposes of the federal child labor law depends largely upon the nature of the documentary evidence accepted as proof of age, it is unfortunate that the per cent of certificates issued on birth records as evidence of age has decreased more than 8 per cent during this year.

TABLE II

SPECIFIC NUMBER OF JOBS HELD DURING THE YEAR BY THE 10,712 CHILDREN CLASSIFIED IN TABLE I AND DURATION OF EMPLOYMENT BY JOBS AND SEX

	5 months less than 6 months	Girls	302 10 303 303	397	uldren	pecined of Jobs	Girls	3,797 769 249 96 24 9	4,948
	Jess 6 H	Boys	255 86 11 1 8 85 11 1 1 1 1 1 1 1 1 1 1 1 1 1	206	Total Children	Number of Jobs Only	Boys	1,604 888 172 172 20 9	5,764
	4 months less than 5 months	Girls	367 78 28 11 2	486			<u> </u>		
	4 mc less 5 mc	Boys	424 76 19 2 2 1	527		No Information	Girls	8227-14-1	45
	ths lan	Girls	378 117 34 11 11 1	543		Infor	Boys	43	52
T	3 months less than 4 months	Boys	429 99 25 6 6 1	563		12 months	Girls	522	532
DURATION OF EMPLOYMENT	ths ths	Girls	495 130 17 17 3	969		12 п	Boys	694	703
MPLO	2 months less than 3 months	Boys	517 117 29 14 5	684		11 months less than 12 months	Girls	173	175
OF E	1 month less than 2 months	Girls]	683 221 82 82 35 7	1,029	NT.	11 m less 12 m	Boys	243.	263
ATION		Boys G	696 1186 57 17 11 11	964 1	DURATION OF EMPLOYMENT.	nths than onths	Girls	167 31 4 1	203
DUR	10 days 20 days less than 20 days 30 days	Girls Bo	294 242 10 25 30 30 30 30 30 30 30 30 30 30 30 30 30	450	EMPL	10 months less than 11 months	Boys	189 29 4	222
		Boys Gi	333 20 21 113 113 113 113	468 4	N OF	oths han oths	Girls	159 19 1	181
			351 39 120 19 7 7 1	541 4	RATIO	9 months less than 10 months	Boys	214 31 3	248.
		s Girls		1	DO	hs an	Girls	236 43 8 8 1	288
		Boys	421	602		8 months less than 9 months	Boys (2554 388 1	301
	Less than 10 days	Girls	264 102 102 51 15 8 8	448			Girls B	43 10 10	309
	Less 10	Boys	325 110 25 13 3 3	477		7 months less than 8 months		287 29 10 10 10 10 10 10 10 10 10 10 10 10 10	370 3
umber	do Job	Girls	4,948 1,151 133 133 37 13 13 13	699,9			ls Boys	273 56 15 15 12	346 37
Total Number	Holding Specified Job	Boys	5,764 1,160 272 100 31 11	7,340		6 months less than 7 months	ys Girls	303 65 18 18 18 4	
	L to 19dm			1 ::			Boys	::::	390
Total Number Children Holding Jobs		2000	. Total Number of Jobs	14,000	dot	30 19dau	N.	·	:

In comparison with a similar table in our last annual report Table II shows a much greater number of children who worked steady on a job for a considerable period of time and a very decided decrease in the number of jobs held during the year, especially by the boys. One boy held 15 jobs during the first year and one girl 11 jobs, while this year one girl held 8 jobs and 2 boys and 4 girls each held 7 jobs.

WOMEN IN INDUSTRY

Attention was called, in the last annual report, to the need of protective legislation for women. While the department did not initiate any legislation during the 1921 session of the General Assembly it gave assistance to the organizations working for the passage of the school attendance-child labor bill and to the nine-hour law for women. Because of the assistance given by the Child Welfare Commission created by the General Assembly of 1919, we were able to tabulate the results of our year's work in administering the child labor law, and the facts thus arrived at were the most effective arguments in securing the passage of the new law. Because of our small staff of workers we were not able to tabulate in time for use, the results of our investigations regarding the hours of employment of women, covering a period of 17 months. These absolute facts in concise and usable form we believe would have been of great value in the consideration of the nine-hour bill which was introduced in the General Assembly of 1921, passed the Senate, but failed to pass the House.

Of the 635 firms, employing 10,764 women, inspected during the year, 90 firms did not employ women; 34 firms employing women were not in operation at the time of the inspection, and for 9 firms, employing 59 women, we received no information concerning hours. The 502 firms employing 10,705 women for which we have definite information as to hours of employment are included in the following table:

SHOWING DAILY AND WEEKLY SCHEDULE OF HOURS IN EFFECT IN 502 PLANTS EMPLOYING 10,705 WOMEN TABLE III

	Daily Hours 12	Firms Women	20 g	8.
		Firms	स	8.
	Daily Hours 11+	Firms Women		
)LE	Dail	Firm		
NUMBER OF FIRMS AND WOMEN OPERATING ON SPECIFIED DAILY SCHEDULE	Daily Hours Daily Hours	s Women		
ILY	Dai	Firm		
IED DA	ly Hours 10+	Women	309 254	2.9—
ECIF	Dail	Firms	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1.8
ON SP	Daily Hours	Women	755 66 926 926 114 517 10a 10a 1,567	14.6
TING		Firms	100 100 100 100	21.7
OPERA	Daily Hours 9+	Women	34 434 434 117 322 1135 75 75 193 193 823	7.7
MEN		Firms		2.8
ND WC	Daily Hours	Women	2, 294 2, 294 2, 730 429 429 3, 650 3, 650	34.1
MS A	Daily Hours Daily Hours Daily	Firms	3 11 11 11 14 40 40 11 11 11 11 12 14 14 14 14 14 14 14 14 14 14 14 14 14	29.3
OF FIR		Women	2, 2, 217 2, 332 886 51 5 5 2, 816	26.3
IBER		Firms	11120002	8.6
MUM.		Women	166 355 355 114 712 82 9 9 5 5 6 1,394	13.0
		Firms	35.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5	28.2
	Daily Hours 6-8	Women	88 44 8 8 69	-9.
	Daily 6	Firms	402 11 1 6	1.8
Number Women Working on Specified Weekly Schedule			317 3267 3,395 3,395 3,010 405 131 131 131 131 969 969 969 969 969 132 132 131 131 131 131 131 131 131 131	100
Number Firms Operating on Specified Weekly Schedule			250 1111 1111 1111 1111 1111 1111 1111 1	100
WEEKLY O HOURS S			Under 44 hours 44-46 46-48 48-50 48-50 52-54 52-54 52-54 52-54 62-64 64-66 Over 66 Total No. firms and women on specified daily sobedule.	Per cent of firms and women on specified daily schedule

These women were working 70 hours per week.
 These women were working 84 hours per week.

The schedules indicated in Table III take no account of overtime to which there is no legal limit in Indiana. The table gives the prevailing hours of employment for women during an almost unparalleled time of unemployment when production was at an extremely low point as is indicated in Table V following. In view of these facts regarding unemployment and production it is significant to note that 70 per cent of the firms, employing more than 86 per cent of the women, were working on a daily schedule in excess of 8 hours; and that 24 per cent of the firms, employing 18 per cent of the women, were working on a daily schedule of 10 hours or more.

No restaurants or hotels, and only seven other firms that work seven days in the week, are included in this table, which accounts for the weekly schedules of hours being as low as they are.

It would seem that a large amount of the want and suffering caused by the unemployment of self-supporting women and women with dependents might be relieved by reducing the excessive hours of those who are working and thus making work available for a larger number of women.

UNEMPLOYMENT

Investigations made by the department, while not conclusive because all determining factors were not considered, seem to indicate that unemployment during the year has not affected women and children to so great an extent as men.

The following table shows the number of firms inspected during the two annual periods October 1, 1919, to October 1, 1921, and the number and per cent of men, women, and children employed.

TABLE IV

NUMBER OF FIRMS INSPECTED, AND NUMBER AND PER CENT OF MEN, WOMEN, AND
CHILDREN EMPLOYED IN 1919-1920 AND IN 1920-1921

Firms Inspected	Men Employed	Women Employed	Children Under 16 Employed	Total Number of Employees	Per Cent of Men	Per Cent of Women	Per Cent of Children
1919-1920 703	85,292	20,378	4,673	110,343	77.4	18.5	4.2
1920-1921 536	24,708	10,764	3,489	38,961	63.4	27.6	9.

About the same number and size of plants employing women almost exclusively were inspected each of the years included in the table, and fewer plants employing large numbers of children under 16 years of age were inspected during the year 1920-1921 than during 1919-1920. The period covered by the table began almost a year after the signing of the armistice, when women who were substituted for men during the war had been to a great extent released. These facts give added significance to the per cents of men, women, and children employed, and might easily lead to the conclusion that the support of families during the period of unemployment is falling more heavily upon women and children.

A questionnaire submitted to 43 firms as to the amount of unemployment brought the following answers:

TABLE V

REPLIES TO QUESTIONNAIRE ON UNEMPLOYMENT, 1920-1921

4 firms "working 10% normal force." 2 firms "working 1/7 normal force." 2 firms "working 20% normal force." 2 firms "working 25% normal force." 5 firms "working 33 1/3% normal force." 3 firms "working 50% normal force." 1 firm "50% employed each alternate week." 1 firm "working 50-70% normal force." 1 firm "working 55% normal force." 3 firms "working 60% normal force." · 1 firm "working 66 2/3% normal force." 2 firms "working 75% normal force." 1 firm "working 90% normal force. 1 firm "100% employed 5 days instead of 51/2." 2 firms "not normal force." 2 firms "working only foremen."

OFFICE WORK

Many employers send in notices of compliance with orders very promptly, while in some cases several follow-up letters are necessary. If these letters do not bring results the plants are listed for reinspection. During the year 313 follow-up letters and 536 other letters regarding orders and recommendations were written to employers, and 627 letters were written in answer to requests from employers for information; a total of 1,476 letters to employers.

It has frequently been necessary to write to school officials for assistance in establishing the true age of minors meeting with industrial accidents, and many letters have been written calling the attention of school officials to employment certificates not issued in accordance with the provisions of the law. It was thought better to get misunderstandings and mistakes corrected in this way than by revoking certificates improperly issued, especially until sufficient time had been allowed in which to become familiar with the provisions of the new law regarding certificates. Many letters were written in reply to requests from school officials for information. In all 1,333 letters were written to school superintendents and others designated to issue certificates. Our miscellaneous correspondence amounted to 394 letters, making a total of 3,203 letters written.

A pamphlet containing all laws regulating the employment of women and minors was compiled and 10,000 copies were printed. Approximately 8,800 of these have been mailed to employers, school officials, and other persons, each accompanied by a form letter calling attention to the main provisions of the law.

Several weeks before the opening of the canning season 200 special form letters were sent to all the canners calling their attention to the changes in the law especially affecting employment of minors in canneries. Suggestions were given about securing legal evidence of age and obtaining certificates in time to avoid delay in the vacation period when products are ready for canning and young persons are available for this work.

In September over 700 special form letters were mailed to theatre managers throughout the state, calling their attention to the provisions of the law affecting the employment of children in theatres and stating that the Industrial Board expected to enforce the law without favor. Many theatre managers have signified their intention to co-operate with the board.

The director represented the Industrial Board on a committee with the state attendance officer and the assistant state director of vocational education representing the Department of Public Instruction, in preparing the forms to be used in establishing ages and in issuing employment certificates under the Act of 1921, and in preparing a pamphlet of suggestions to persons authorized to issue certificates and to employers of minors. Under the law the Industrial Board must distribute these forms and rules. In August an initial supply of the blank forms and pamphlets was mailed to over 4,000 issuing officers. Additional supplies of blank forms and pamphlets have been mailed from time to time upon request. An approximate total of 20,000 pieces of mail have gone out of the office during the year. The certificate clerk has received, edited, and filed 25,856 duplicate employment certificates and notices of termination of employment and has written a large proportion of the letters regarding required corrections of certificates issued.

Conferences in the office with individuals and groups have consumed a great deal of time. From a count kept during a part of the year we estimate that these conferences have amounted to 180 per month. At the time of the passage of the new school attendance-child labor law, and again when it became effective May 31, and at the opening of school in September, there were many days when it kept one person busy the greater part of the time in answering telephone calls from employers and school officials.

The appointment in June of a state attendance officer has lessened the work of this department along some lines, as the new law clearly defines the duties of each office. While the two departments work in close co-operation each has its own specific duties.

RECOMMENDATIONS

A number of the recommendations contained in the last annual report of the department have been acted upon either by the enactment of law or by administrative practice.

We again call attention to the importance of:

- 1. Extending vocational guidance to all minors under 18 years of age who leave school to enter employment. This service is provided for in the junior section of the state free employment act.
- 2. Broadening the scope of the board of children's guardians law until it will be unnecessary for children under 16 years of age to remain

out of school to relieve economic pressure in the home. Extending this work will do much to ward off the passage of a mothers' pension law, which might not be as effective as our present law if adequately administered.

3. Amending the workmen's compensation law to include children whether legally employed or not, and providing for triple compensation in cases of injury to children illegally employed. This would do away with the possibility of suits for damages under the common law and would seem to be fairer both to injured children and to employers.

4. Making part-time school mandatory in all school corporations having twenty children working on certificates.

5. The passage as a health measure of a law limiting the hours of employment for women. As the state now has no limit on the number of hours women may work, except the limit on night work in manufacturing plants, a nine-hour law would greatly improve present conditions.

REPORT OF FEDERAL STATE DIRECTOR OF THE FREE EMPLOY-MENT SERVICE OF INDIANA

THOMAS A. RILEY, Director

This report covers the operations during the state fiscal year ending September 30, 1921, of the seven state free employment services co-operating with the U. S. Employment Service, Department of Labor, maintained by co-operative agreements with the state and following cities: Indianapolis, Ft. Wayne, Evansville, Terre Haute, Lafayette, Muncie and Hammond.

The Indianapolis office was opened August 11, 1921. The aggregate number of registrations and those referred and reported placed during the past fiscal year ending September 30, 1921, are shown in this report, including the woman's division, also the state's share of the cost of handling the large volume of business passing through these offices.

Name of Office	Registrations	Help Wanted	Referred	Placed
Evansville	1,416	871	693	681
Men	295	201	127	110
Women	— 1,711	— 1,072	——— 820	791
Fort Wayne Men Women	7,825	6,354	6,295	5,628
	3,209	2,641	2,554	1,894
	————————————————————————————————————	8,995	8,849	— 7,522
Hammond Men Women	1,546	526	488	437
	162	75	54	54
	1,708	———————————————————————————————————	—————————————————————————————————	———————————————————————————————————
Indianapolis (From August 11, 1921) Men	3,133	2,410	1,664	1,208
	1,115	630	694	511
	——— 4,248	3,040	————————————————————————————————	— 1,719
Men	978	1,163	853	777
	47	78	29	22
	— 1,025	1,241	———————————————————————————————————	—— 799
Men	1,659	1,091	739	724
	487	226	192	175
	2,146		—— 931	— 899
Men	2,649	2,040	2,037	2,003
	1,431	1,349	1,257	1,182
	4,080	3,389	3,294	3,185
Grand Total	25,952	19,655	17,676	15,406

RECAPITULATION

	Registrations	Help Wanted	Referred	Place d
Men	19,206	14,455	12,769	11,458
Women	6,746	5,200	• 4,907	3,948

EXPENDITURES

Salaries	\$11,767	68
Travel expense.	239 9	93
Telephone	196 2	20
Renf.	615 5	50
Printing.	240 4	41
Heat	49 (05
Water	8 2	26
Miscellaneous	949 8	33

The year of 1921 marked a complete reversal in industrial conditions, not only in Indiana but the entire country; from more jobs than there were men, it reversed to where it was approximately figured that there were from 3,500,000 to 4,000,000 unemployed.

Governor McCray, in conference with the Industrial Board on May 26, 1921, said, "To my mind there is more need of the free employment service being established in all our industrial centers now than any other time."

By the service keeping in close co-operation with all factories, plants, business institutions, city, county and state officials, with such connections it will be possible to center all opportunities for employment in the one central free employment service. Therefore, obviating the necessity of those seeking employment from walking from one end of the city to the other at the expense of time and energy.

WORK OF THE LOCAL OFFICES

Statistical reports of the business transacted at the local offices are made at the close of each day and a weekly report is forwarded to the federal-state director's office at the State House where they are carefully examined and tabulated and a copy forwarded to the Director General of the United States Employment Service, U. S. Department of Labor.

The real test of the efficiency of any employment office is its success in securing positions for those who are unemployed and in assisting employers to secure help. Like any other organization the success of the service depends upon the co-operation it can work out on one side with the employers and on the other with the workers so that it can do the greatest good to the greatest number and to industry as a whole.

To this end this department wishes to acknowledge its sincere appreciation to the manufacturers, business men, social workers, charitable organizations, chambers of commerce, labor organizations and newspapers for their co-operation in this much needed public service.

PRIVATE FEE CHARGING EMPLOYMENT AGENCIES

The Indiana free employment service through its state director has jurisdiction over all fee charging agencies as defined in "An Act concerning employment agencies." The state director, under this act, requires each and every applicant for a license, to execute to the State of Indiana a bond in the penal sum of one thousand (\$1,000.00) dollars; also a fee of twenty-five (\$25.00) dollars shall be paid annually for each license granted under the provisions of this act.

There are now eighteen fee charging agencies in the State of Indiana, located in the following cities and classified as follows: Indianapolis, Terre Haute, South Bend, Kokomo and East Chicago; 8 clerical, 2 theatrical, 4 domestic, 4 common labor.

REPORT OF THE STATE BOARD OF HEALTH

For the Year Ending September 30, 1921

MEMBERS OF THE STATE BOARD OF HEALTH

JOHN H. HEWITT, M. D., President, Terre Haute. HUGH A. COWING, M. D., Vice-President, Muncie. J. N. HURTY, M. D., Secretary, Indianapolis. CHARLES B. KERN, M. D., Lafayette. ADAH McMAHAN, M. D., Lafayette.

W. F. KING, M. D., Assistant Secretary, Indianapolis.

PFRSONNEL OF SUPERINTENDENTS OF DIVISIONS

W. F. KING, M. D., Director Division of Venereal Diseases.

I. L. MILLER, A. B., Superintendent Division of Chemistry and State Food and Drug Commissioner.

L. A. GUEPEL, B. S., Sanitary Engineer.

WM. SHIMER, M. D., Superintendent Laboratory of Hygiene.

ADA E. SCHWEITZER, M. D., Director Division of Infant and Child Hygiene.

H. W. McKANE, M. D., Director Division of Tuberculosis.

H. M. WRIGHT, Director Division of Vital Statistics.

INA GASKILL, Director Division of Nursing.

H. R. CONDREY, Accountant and Chief Clerk.

LEO RAIL, State Investigator.

PERSONNEL OF MAIN OFFICE, STATE BOARD OF HEALTH

DR. J. N. HURTY, Secretary and State Health Commissioner.

MISS LOUISE LINGENFELTER, Secretary to the State Health Commissioner.

DR. WM. F. KING, Assistant Secretary.

MISS LAURA ROSE, Stenographer.

MISS ETHEL HOFFMAN, Chief Clerk.

MISS LILLE BROOKS, Telephone Operator and Typist.

INTRODUCTION

It is gratifying to be able to announce that throughout the year ending September 30, 1921, there were no serious epidemics or disease outbreaks. Sixty-one of the counties reported mild epidemics of various infectious diseases, but in no instance were these epidemics so severe as to cause alarm. A review of the chapter entitled Disease Prevalence, will give detailed information concerning the prevalence of the diseases

which are there considered. The monthly analysis of smallpox will give anyone interested the status of this disease in the state throughout the year. It is also true of the monthly analysis of tuberculosis, influenza, typhoid fever, etc.

DIVISIONS

There are 14 divisions of the State Board of Health, namely, (1) executive; (2) accounting; (3) venereal; (4) tuberculosis; (5) infant and child hygiene; (6) school hygiene; (7) food and drugs; (8) water and sewage; (9) bacteriological and pathological; (10) Pasteur laboratory; (11) statistical; (12) nursing; (13) weights and measures; (14) department of oil inspection. Each of these divisions has its director and staff to meet required conditions and to do the work belonging to the division. The tuberculosis division, also the infant and child hygiene division are transported over the state in automobiles. Each division has a Dodge truck with driver who is also called director of exhibits. The truck carries the exhibits illustrating the features and points of the division to which it belongs. It also carries a dynamo, moving picture machine and stereopticon for glass slides. Upon arriving at a town having been advertised previously and all arrangements made, the exhibits are displayed in proper form and sequence. The audiences are gathered and the work of instruction begins. These traveling divisions are received most graciously and eagerly by the people, especially in the remote rural regions. Numerous letters have been received from all classes of people commending the exhibits and instruction presented by these traveling divisions.

REPORTS OF DIVISIONS

All of the above divisions present their reports herewith and a careful review of the same will discover the character and extent of their work.

NEW DIVISIONS

The General Assembly of 1921 appropriated \$15,000 to be used by the State Board of Health for the support of the housing division. The appropriation was available October 1, 1921. On that date the housing division was established with Mr. Wm. F. Sharpe, director. No work has been done to this date and report of the same can not be included here.

ALL TIME HEALTH OFFICER

The secretary presents for the third annual report the importance of the all-time health officer. The first all-time health officer bill was presented to the General Assembly of 1915, and deep regrets must be expressed that the same was not enacted. Until Indiana abolishes the present ridiculous health officer system and establishes a wise, up-to-date system, there will be no further reduction in disease and death rates. The misery attendant upon unnecessary disease and death will continue so long as the present health officer system exists.

In seeking the reason why the General Assembly of Indiana has so far refused to make this obviously necessary reform, we received this hint from a member. He said: "This body (the General Assembly) has been poisoned in this matter by paid attorneys, legally licensed as lobbyists." It is not a secret, but well known, that a certain cult which pretends to cure all diseases by massage, raised a large sum of money to fight the all-time health officer bill and to fight also the bill providing for compulsory health supervision of school children. This cult was backed by a second cult, which probably contributed nothing or at least very little to the fund out of which the lobbyists were paid for influencing the legislature. Furthermore, the bills were opposed by a certain class of present health officers who do not want their present status changed and who were influenced by the fees they received as health officers and for which they returned little or no service. The support for the proposed law came principally from women's organizations and individual efforts of women. It seemed impossible to interest many business men in these highly economic and humanitarian measures. We present here, as in the last report, the reasons and arguments why the present health officer system should be swept away and a new up-to-date system adopted:

The original law creating the Indiana State Board of Health places great responsibilities upon the board, for it charges the care and supervision of the health and lives of the citizens of the state upon the board, and aims, in the machinery provided, to make it possible to fulfill the high purpose of preserving health and life, which are the foundations of the state. The purpose of the law is clearly expressed therein and the powers conferred are ample, but the funds have never been sufficient to accomplish the work aimed at. Consequently, the machinery created under the law has not been adequate. The greatest trouble lies in the fact that the part-time-doctor-health officers do not measure up to the work they are called upon to do. This is because they must earn their living practicing curative medicine, and then are called upon to practice preventive medicine on the side, as it were. In other words, they must earn their living first and then attend to public health afterward. They are therefore called upon to serve two masters, and this alone explains the inefficiency and hopelessness of the present health officer system. Furthermore, very few physicians are trained in hygiene and sanitary science, probably not one per cent, yet the general idea prevails that every physician must know all about the science named and which he may be called upon to practice if he were appointed as health officer. The money spent for the support of the present health officer system is largely wasted, and for this reason, and also because of many other reasons, the State Board of Health has long insisted upon the abolition of the present worn-out and inefficient health officer system and the adoption of a new and workable system. A further argument against the present system lies in the fact that the doctor-health officer, being in the practice of medicine, is in competition with his brother physicians, and of course, can not secure their full co-operation. Without this cooperation, only partial success in disease prevention work is possible.

Three Fatal Defects exist in the present health law.

- (1) Health officers are practicing doctors, giving what time they choose to public health work.
- (2) Health officers are practicing doctors in competition with their brother doctors, and therefore can not secure their co-operation. Without this co-operation present health officers are only partially successful.
- (3) Health officers practicing medicine (curative) are, without exception, uninformed and untrained in disease prevention work. Their education and training are in the line of the pound of cure and not in the line of the ounce of prevention. Hence they are not efficient and economical to the state.

Other Defects exist in the present health law, but they are only obstructive to its enforcement, not fatal. For instance—

- (1) The law does not clearly and fully define health officers' duties and powers.
 - (2) It does not provide adequate pay.
 - (3) It does not provide a health fund.
- (4) It does not provide a proper penalty for failure or refusal to fulfill duties.

Failure and Expense will continue if the legislature does not provide a new machine. The old one has served its day.

A new law, up-to-date and scientific, would provide—

- (1) Trained health officers who give their entire time to keeping away disease and improving the public health. Such officers should be appointed from an eligible list upon which they have obtained recognition through physical and mental examination.
 - (2) A county health commissioner appointed in each county.
 - a. His salary should be a living one, graded by the number of people he served.
 - b. His duties and powers should be clearly defined.
 - c. He should be subordinate to the State Board of Health.
 - e. He should make weekly reports to the State Board of Health.
 - f. He should be subject to dismissal for such reasons as the law may set forth.
 - g. A proper health appropriation should be provided in each county.

A modern health law, as above outlined, would not create a new office, but would make an old office efficient. It would abolish all town health officers, and all city health officers and boards of health in cities under 10,000 inhabitants. Such officers would be unnecessary under the new system and their abolition would be a saving of expenditure with increased efficiency and happiness.

Ill health and diseases are largely preventable, and under a good health law they would be largely prevented. Let us then have a proper machine and reap the good harvest.

A decrease in crime, insanity and poverty would attend the enactment and enforcement of a modern health law. This is true because it would reduce ill health and disease, which are causative of much crime,

insanity and poverty. These social ills are a terrible burden for society to carry. Any reduction of them would constitute an economy and a state betterment. The value would be very great.

The future belongs to that nation which has the most health and strength, not to the one which leads in sickness and weakness. Let us have all else but health and we fail. Hygiene can do more to advance the wealth and happiness of mankind than any other science.

VITAL STATISTICS

Those who are interested in the bookkeeping of humanity will find much to interest them and much instruction in the vital statistics tables presented in this report. It is well known that the collection of vital statistics is most difficult, for the people do not understand that the records of births, deaths, contagious diseases, marriages and divorces are more important than records of dollars. The importance of accounting for human beings endowed with souls is so great that it would be almost impossible, except in a large volume, to set forth the advantages to be economically and socially derived from such records. We regret to say that not a small number of physicians do not understand the importance of vital statistics, and therefore will not make reports which they should make under compulsion. There are still other physicians who know the great importance of vital statistics to the state, to their profession and to their patients. Still they are apathetic and not interested and they too must from time to time be urged to their duty. We are thankful that we are able to say that a considerable number of physicians are found who take an interest in doing their part in this great and important matter of securing accurate vital statistics to the state. We again call attention to the report of the division of vital statistics.

REVIEW OF ACTIVITIES DURING THE YEAR ENDING SEP-TEMBER 30, 1921

The board held four regular and thirteen special meetings as follows:

Regular quarterly meeting, October 20, 1920.
Regular quarterly meeting, January 12, 1921.
Regular quarterly meeting, April 13, 1921.
Regular quarterly meeting, July 6 and 7, 1921.
Special meeting, October 5, 1920.
Special meeting, October 6, 1920.
Special meeting, October 18, 1920.
Special meeting, November 16, 1920.
Special meeting, November 17, 1920.
Special meeting, February 3, 1921.
Special meeting, February 7, 1921.
Special meeting, February 16, 1921.
Special meeting, May 10, 1921.
Special meeting, May 10, 1921.
Special meeting, May 11, 1921.
Special meeting, May 11, 1921.

Special meeting, September 13, 1921. Special meeting, September 28, 1921.

ABSTRACT OF PROCEEDINGS OF ABOVE MEETINGS AS FOLLOWS

The first meeting for the above period was held October 5, 1920. This was a special meeting held at Wabash, Indiana. The city and county authorities has sent an urgent invitation to the State Board of Health to visit the city of Wabash and county of Wabash in order to assist them in advancing the public health in that part of the state. The mayor of the city presided at a reception tendered the board at the Hotel Indiana the evening of October 4, which was largely attended by citizens and the local medical society. Sanitary surveys were made of public institutions in the county and suggestions made to improve some insanitary conditions found. A large public meeting was held in the afternoon of October 5, at which the board members spoke.

The special meeting held October 6 was a continuation of the meeting held October 5. At this meeting the secretary made a report of the different meetings held and the number of film showings of "The End of the Road."

The special meeting held October 18, 1920, was for the purpose of making an inspection of the Indiana State Sanatorium, which under the law must be visited by the board of health once a year. This meeting was held at the Rockville institution and was attended by the entire board. A thorough inspection and report was made of the building. The board was well pleased with the sanitary condition of the institution and ground, and realizing that additional buildings and equipment were needed, recommended the same in its report and promised to assist in securing the same from the legislature at its session in January and February of 1921.

The meeting held October 20 was the regular quarterly meeting. The regular quarterly reports of the secretary and various divisions of the board were read, considered and spread of record. Complaint had been made of the insanitary condition of the miner's train from Brazil to the coal mines and the board ordered the secretary to make an inspection and secure better sanitary conditions if possible for the miners. The water supply of the Indiana Reformatory at Jeffersonville was considered at the request of the superintendent, but no action taken. A report of a sanitary survey of Wild Cat Creek at Kokomo was presented, and the authorities of the city were urged to accept the recommendations of the sanitary engineer.

The meeting held November 16 was a special one, held for the purpose of meeting with the authorities of Lafayette and Tippecanoe County, to study the health conditions of Tippecanoe County and surrounding counties. The board was taken over the city by Dr. Kern, and weak points in the sanitation of the city pointed out. An inspection was also made of St. Elizabeth Hospital, which was found to be in a very sanitary condition. The Home Hospital was also visited and given an order of approval.

The meeting held November 17 was a continuation of the meeting held on November 16. This meeting was for the purpose of becoming acquainted with the city officials and members of various clubs organ-

ized for public work, to study the health conditions of Tippecanoe and surrounding counties. The secretary reported on the meeting held the preceding evening with the Tippecanoe County Medical Society. At eight o'clock the board withdrew from the meeting, leaving Dr. King to discuss the venereal disease program, and repaired to the Y. M. C. A., where an audience was assembled to hear talks on public health and view the film "Fit to Win." On this date the board was invited to Purdue University, and the secretary made a short talk to the students. The board felt much good had been accomplished by this visit to Lafayette. The board also attended the district meeting of dentists held at the Lahr Hotel, and addressed them on various phases of public health.

The meeting held January 12, 1921, was the regular quarterly meeting of the board. The quarterly reports of the secretary and various divisions of the board were read and considered and ordered spread of record. Nine schoolhouse surveys were considered and the buildings for which surveys were presented ordered condemned.

The meeting held February 3 was special and for the purpose of meeting with the State Dairymen's Association; also the state manufacturers of dairy products to discuss milk legislation and after adjournment to discuss the matter with the various legislators.

The meeting held February 7 was special, and in order to attend a public hearing upon the all-time health officer bill. The chamber of the House of Representatives was well filled, and the opposition was noisy and in large numbers. Each side was given one hour in which to present his side. Rep. Willis, author of the bill spoke for it, also Mr. A. G. Cavens, deputy attorney-general and Dr. Hurty. Several women prominent in public work also spoke in favor of the bill. The speakers against the bill were lawyers hired to represent the various cults opposing the measure, also Dr. Stewart, a homeopath.

The meeting held February 16 was special and for the purpose of considering S. B. 120, which proposed to place the duty upon the State Board of Health of analyzing patent medicines sold for the cure of consumption, also to make physiological experiments to determine their worth. After considering the bill the board decided to lay the matter on the table, for it was impossible for the board to recommend any medicine or agent as a cure for consumption. The sanitary surveys of six schoolhouses were considered and order of condemnation against the several buildings ordered.

The meeting held April 13 was the regular quarterly meeting. The quarterly reports of the secretary and directors of the various divisions were considered. At this meeting Dr. John H. Hewitt was elected president, and Dr. Hugh A. Cowing was elected vice-president. At this meeting two attorneys appeared to protest against the board's ruling in regard to the use of benzoate of soda as a preservative. No action was taken in regard to this matter and the State Food and Drug Commissioner was asked to prepare data and arguments to enlighten the board. The surveys of sixty-one schoolhouses were presented for action, and after the board had carefully considered the survey in each instance an order of condemnation was ordered in each case.

The special meeting held May 10 was for the purpose of attending the annual conference of health officers. Dr. Adah McMahan, the new member of the board presented her commission and took the oath of office. The secretary reported that the health officers' conference was progressing satisfactorily, and that 150 had registered up to the time of the meeting. Three committees were appointed, one on milk, one on housing, and one on general public health. Three sanitary surveys of school buildings were presented and acted upon. The secretary reported that twelve laws had been passed by the legislature relating directly or indirectly to health, and that the appropriation for the board and its divisions had been increased over the preceding years.

The special meeting held May 11 was a continuation of the meeting held the day before, and was for the purpose of attending the second day of the health officer conference. The secretary reported concerning the meeting held the evening preceding, and presented resolutions which had been passed by the conference.

The meeting held July 6 and 7 at Muncie was the quarterly meeting of the board. The board had been invited to be the guests of the Kiwanis Club, the Academy of Medicine, Rotary Club, and Chamber of Commerce, all of Muncie. A program had been prepared. After the routine work of the board had been completed, reports of various divisions considered and reports of committees made, the program as prepared for the meeting was carried out, and the board felt that the visit had been profitable both to the city of Muncie and to the various members as well.

The meeting held July 28 was special and called for the purpose of considering important business regarding the reorganization of the tuberculosis division. The sanitary surveys of several schoolhouses were also presented for the consideration of the board.

The meeting held September 13 was special and was called for the purpose of considering the organization of the new housing division, for which \$15,000 had been appropriated by the last legislature. A plan of organization was presented and adopted. Mr. W. F. Sharpe of Crawfordsville was appointed director, and Mr. Albert E. Wert assistant director. Dr. King reported in regard to the public health institute, which would be held in Indianapolis February 13-18, and the board's approval was given. The condemnations of many schoolhouses which had been ordered by the board at previous meetings were again considered and an extension granted for one year in order to assist the local authorities in bringing about the improvements desired.

The special meeting held September 28 was for the purpose of considering the reorganization of the division of tuberculosis. A plan prepared by the committee on tuberculosis was presented and adopted. A plan for the organization of a traveling milk laboratory was also presented and adopted.

DISEASE PREVALENCE

MONTHLY ANALYSIS OF EXTERNAL CAUSES OF DEATH

(As published in Monthly Bulletin)

January, 1921-Total, 174; males, 118; females, 56.

Suicides, 21; males, 15; females, 6. Suicide by poison, 2; by asphyxia, 1; by hanging or strangulation, 4; by drowning, 1; by firearms, 8; by cutting or piercing instruments, 3; by crushing, 1; by other means, 1.

Accidental, 140; males, 93; females, 47. Poisoning by food, 2; other acute poisonings, 2; conflagration, 5; burns (conflagration excepted), 12; absorption of deleterious gases, 2; accidental drowning, 2; by firearms, 4; by cutting instruments, 2; by fall, 37; in mines, 8; in quarries, 1; by machinery, 1; railroad accidents, 21; street car accidents, 1; automobile accidents, 16; injuries by other vehicles, 3; landslides, other crushings, 2; injuries by animals, 4; starvation, 1; other external violence, 14.

Homicides, 13; males, 10; females, 3. Homicide by firearms, 10; by other means, 3.

February, 1921-Total, 190; males, 137; females, 53.

Suicides, 29; males, 23; females, 6. Suicide by poison, 7; by hanging or strangulation, 5; by drowning, 1; by firearms, 14; by cutting or piercing instruments, 1; by crushing, 1.

Accidental, 153; males, 109; females, 44. Poisoning by food, 1; other acute poisonings, 1; conflagration, 1; burns (conflagrations excepted), 15; absorption of deleterious gases, 5; accidental drowning, 2; by firearms, 3; by fall, 28; in mines, 11; in quarries, 1; by machinery, 1; railroad accidents, 45; street car accidents, 4; automobile accidents, 10; injuries by other vehicles, 1; landslides, other crushings, 1; motorcycle accidents, 1; injuries by animals, 1; effects of heat, 1; fractures, cause not specified, 3; other external violence, 17.

Homicides, 8; males, 5; females, 3. Homicide by firearms, 6; by cutting or piercing instruments, 1; by other means, 1.

March, 1921-Total, 154; males, 109; females, 45.

Suicides, 38; males, 23; females, 15. Suicide by poison, 12; by asphyxia, 1; by hanging or strangulation, 7; by drowning, 5; by firearms, 9; by cutting or piercing instruments, 3; by other means, 1.

Accidental or undefined, 106; males, 77; females, 29. Other acute poisonings, 1; conflagration, 1; burns (conflagrations excepted), 11; accidental drowning, 6; by firearms, 2; by fall, 23; in mines, 1; by machinery, 2; railroad accidents, 9; street car accidents, 1; automobile accidents, 15; injuries by other vehicles, 3; motorcycle accidents, 1; injuries by an mals, 2; starvation, 1; lightning, 1; electricity (lightning excepted), 3; fractures, cause not specified, 5; other external violence, 18.

Homicides, 10; males, 9; females, 1. Homicide by firearms, 6; by cutting or piercing instruments, 1; by other means, 3.

April, 1921—Total, 166; males, 128; females, 38.

Suicides, 34; males, 29; females, 5. Suicide by poisoning, 11; by asphyxia, 3; by hanging or strangulation, 6; by drowning, 2; by firearms, 8; by cutting or piercing instruments, 4.

Accidental, 117; males, 88; females, 29. Poisoning by food, 1; other acute poisoning, 1; conflagration, 1; burns (conflagration excepted), 8; absorption of deleterious gases, 1; drowning, 10; by firearms, 3; by fall, 11; in mines, 3; in quarries, 1; by machinery, 2; railroad accidents, 19; street car accidents, 2; automobile accidents, 18; injuries of other vehicles, 3; injuries by animals, 2; lightning, 3; electricity (lightning excepted), 2; fractures, cause not specified, 9; other accidental deaths, 17.

Homicides, 15; males, 11; females, 4. Homicide by firearms, 11; by cutting or piercing instruments, 1; by other means, 3.

May, 1921-Total, 232; males, 165; females, 67.

Suicides, 40; males, 31; females, 9. Suicide by poison, 4; by asphyxia, 1; by hanging or strangulation, 6; by drowning, 6; by firearms, 21; by crushing, 1; by other means, 1.

Accidental or undefined, 176; males, 119; females, 57. Poisoning by food, 2; other acute poisonings, 4; burns (conflagrations excepted), 15; absorption of deleterious gases,

1; accidental drowning, 26; by firearms, 5; by cutting instruments, 1; by fall, 20; in mines, 5; railroad accidents, 18; street car accidents, 2; automobile accidents, 31; motorcycle accidents, 2; injuries by animals, 4; lightning, 4; electricity (lightning excepted), 2; fractures, cause not specified, 10; other external violence, 24.

Homicides, 16; males, 15; females, 1. Homicide by firearms, 12; by other means, 4.

June, 1921-Total, 255; males, 193; females, 62.

Suicides, 27; males, 22; females, 5. Suicide by poison, 4; by asphyxia, 1; by hanging or strangulation, 6; by drowning, 2; by firearms, 12; by other means, 2.

Accidental or undefined, 212; males, 158; females, 54. Poisoning by food, 4; other acute poisonings, 8; conflagration, 2; burns (conflagration excepted), 6; absorption of deleterious gases, 2; accidental drowning, 42; by firearms, 3; by fall, 26; in mines, 4; railroad accidents, 30; automobile accidents, 31; injuries by other vehicles, 4; bicycle accidents, 1; motorcycle accidents, 1; injuries by animals, 7; effects of heat, 7; lightning, 9; electricity (lightning excepted), 4; fractures, cause not specified, 5; other external violence, 16.

Homicides, 16; males, 13; females, 3. Homicide by firearms, 13; by cutting or piercing instruments, 1; by other means, 2.

July, 1921-Total, 272; males, 204; females, 68.

Suicides, 29; males, 23; females, 6. Suicide by poison, 10; by hanging or strangulation, 3; by firearms, 13; by cutting or piercing instruments, 2; by crushing, 1.

Accidental or undefined, 231; males, 171; females, 60. Poisoning by food, 1; other acute poisonings, 7; conflagration, 3; burns (conflagration excepted), 11; absorption of deleterious gases, 1; accidental drowning, 55; traumatism by firearms, 3; traumatism by cutting instruments, 2; traumatism by fall, 23; traumatism in mines, 4; traumatism by machines, 1; railroad accidents and injuries, 21; automobile accidents and injuries, 40; injuries by other vehicles, 4; by motorcycles, 2; injuries by animals, 3; starvation, 1; effects of heat, 18; lightning, 6; electricity (lightning excepted), 2; fractures, cause not specified, 14; other external violence, 9.

Homicides, 12; males, 10; females, 2. Homicide by firearms, 9; by other means, 3.

August, 1921-Total 209; males, 149; females, 60.

Suicides, 35; males, 25; females, 10.

Suicide by poison, 10; by hanging or strangulation, 7; by drowning, 4; by firearms, 13; by cutting or piercing, 1.

Accidental or undefined, 163; males, 114; females, 49.

Poisoning by food, 7; other acute poisonings, 1; burns (conflagration excepted), 7; absorption of deleterious gases, 1; accidental drowning, 9; traumatism by firearms, 8; traumatism by fall, 25; traumatism in mines, 4; traumatism in quarries, 1; traumatism by machines, 2; railroad accidents and injuries, 25; street car accidents and injuries, 2; automobile accidents and injuries, 26; injuries by other vehicles, 6; landslide, other crushings, 1; motorcycles, 3; injuries by animals, 4; effects of heat, 2; electricity (lightning excepted), 2; fractures (cause not specified), 5; other external violence, 22.

Homicide, 11; males, 10; females, 1.

Homicide by firearms, 6; by cutting or piercing, 1; by other means, 4?

September, 1921—Total, 211; males, 144; females, 67.

Suicides, 51; males, 37; females, 14.

Suicides by poison, 16; suicide by asphyxia, 1; by hanging or strangulation, 9; by drowning, 3; by firearms, 19; by cutting or piercing, 2; by other means, 1.

Accidental or undefined, 132; males, 85; females, 47.

Poisoning by food, 6; other acute poisonings, 5; burns (conflagration excepted), 6; absorption of deleterious gases, 4; accidental drowning, 4; traumatism by firearms, 5; traumatism by cutting instruments, 2; traumatism by fall, 17; traumatism in mines, 3; traumatism by machines, 1; railroad accidents and injuries, 19; automobile accidents and injuries, 35; injuries by other vehicles, 1; landslide, other crushings, 1; motorcycles, 2; injuries by animals, 7; lightning, 3; electricity (lightning excepted), 2; fractures (cause not specified), 1; other external violence, 8.

Homicide, 28; males, 22; females, 6.

Homicide by firearms, 23; by cutting or piercing, 1; by other means, 4.

October, 1921-Total, 191; males, 142; females, 49.

Suicides, 33; males, 22; females, 11.

Suicide by poison, 10; by asphyxia, 2; by hanging or strangulation, 6; by drowning, 2; by firearms, 10; by cutting or piercing, 3.

Accidental or undefined, 145; males, 111; females, 34.

Poisoning by food, 1; other acute poisonings, 6; conflagration, 1; burns (conflagration excepted), 7; absorption of deleterious gases, 3; accidental drowning, 2; traumatism by firearms, 7; traumatism by fall, 28; traumatism in mines, 3; traumatism in quarries, 1; traumatism by machines, 7; railroad accidents and injuries, 17; street car accidents and injuries, 3; automobile accidents and injuries, 32; injuries by other vehicles, 2; landslide, other crushings, 3; bicycles, 1; motorcycles, 3; injuries by animals, 3; starvation, 1; fractures (cause not specified), 1; other external violence, 13.

Homicide, 13; males, 9; females, 4.

Homicide by firearms, 10; by cutting or piercing, 1; by other means, 2.

November, 1921-Total, 176; males, 127; females, 49.

Suicides, 33; males, 24; females, 9.

Suicide by poison, 12; by asphyxia, 1; by hanging or strangulation, 4; by drowning, 2; by firearms, 14.

Accidental or undefined, 125; males, 89; females, 36.

Poisoning by food, 3; other acute poisonings, 1; burns (conflagration excepted), 14; absorption of deleterious gases, 3; accidental drowning, 3; traumatism by firearms, 10; traumatism by fall, 28; traumatism in mines, 6; traumatism by machines, 3; railroad accidents and injuries, 13; street car accidents and injuries, 1; automobile accidents and injuries, 23; landslide, other crushings, 2; motorcycles, 1; injuries by animals, 3; excessive cold, 1; lightning, 1; electricity (lightning excepted), 1; fractures (cause not specified), 1; other external violence, 7.

Homicide, 18; males, 14; females, 4.

Homicide by firearms, 16; by cutting or piercing, 1; by other means, 1.

December, 1921-Total, 197; males, 127; females, 70.

Suicides, 43; males, 30; females, 13.

Suicide by poison, 12; by asphyxia, 4; by hanging or strangulation, 4; by drowning, 3; by firearms, 14; by cutting or piercing, 2; by jumping from high places, 2; by other means, 2.

Accidental or undefined, 139; males, 85; females, 54.

Poisoning by food, 3; other acute poisonings, 4; conflagration, 2; burns (conflagration excepted), 14; absorption of deleterious gases, 5; accidental drowning, 2; traumatism by firearms, 4; by cutting instruments, 1; traumatism by fall, 28; traumatism in mines, 3; traumatism by machines, 2; railroad accidents and injuries, 14; street car accidents and injuries, 1; automobile accidents and injuries, 31; injuries by other vehicles, 3; landslide, other crushings, 1; bicycles, 1; injuries by animals, 3; excessive cold, 1; other external violence, 16.

Homicide, 15; males, 12; females, 3.

Homicide by firearms, 9; by cutting or piercing, 1; by other means, 5.

MONTHLY ANALYSIS OF SMALLPOX

(As published in the Monthly Bulletin)

January, 1921—1,136 cases in 53 counties with 4 deaths. In the preceding month 794 cases in 51 counties with 4 deaths. In the same month last year 790 cases in 50 counties with 1 death. The counties reporting smallpox present were: Adams, 1; Allen, 2; Benton, 3; Blackford, 1; Cass, 13; Clay, 7; Clinton, 23; Daviess, 5; Decatur, 26; Dekalb, 6; Delaware, 2; Elkhart, 59; Fayette, 19; Grant, 54; Greene, 10; Hendricks, 3; Henry, 3; Howard, 2; Huntington, 3; Jackson, 5; Jennings, 1; Knox, 6; Kosciusko, 10; Lake, 423; Laporte, 12; Lawrence, 3; Madison, 2; Marion, 92; Marshall, 2; Miami, 1; Montgomery, 20; Orange, 28; Owen, 1; Pike, 8; Posey, 1; Pulaski, 6; Putnam, 1; Randolph, 19; Ripley, 1; Shelby, 6; Spencer, 4; St. Joseph, 144; Sullivan, 1; Tippecanoe, 29; Tipton, 6; Vanderburgh, 6; Vermillion, 1; Vigo, 42; Wabash, 1; Warren, 1; Warrick, 2; Wayne, 5; White, 4.

February, 1921—723 cases in 58 counties with 3 deaths. In the preceding month 1,136 cases in 53 counties with 4 deaths. In the same month last year 486 cases in 55

counties with 2 deaths. The counties reporting smallpox present were: Adams, 4; Allen, 7; Bartholomew, 4; Benton, 5; Brown, 4; Cass, 6; Clark, 1; Clay, 36; Clinton, 28; Daviess, 4; Decatur, 30; Dekalb, 6; Delaware, 6; Dubois, 1; Elkhart, 97; Fayette, 16; Fountain, 1; Gibson, 6; Grant, 45; Hendricks, 1; Henry, 2; Howard, 9; Huntington, 3; Jackson, 11; Jennings, 3; Knox, 2; Kosciusko, 9; Lake, 21; Lawrence, 14; Madison, 2; Marion, 88; Marshall, 10; Martin, 3; Miami, 1; Monroe, 1; Montgomery, 13; Noble, 2; Orange, 13; Owen, 2; Pike, 1; Porter, 1; Posey, 6; Putnam, 1; Randolph, 2; Ripley, 7; Rush, 2; Shelby, 10; Spencer, 1; Steuben, 2; St. Joseph, 74; Sullivan, 1; Tippecanoe, 21; Vanderburgh, 17; Vigo, 44; Wabash, 2; Warrick, 4; Wayne, 4; White, 6.

March, 1921—734 cases in 55 counties with 1 death. In the preceding month 723 cases in 58 counties with 3 deaths. In the same month last year 619 cases in 54 counties with 2 deaths. The counties reporting smallpox present were: Adams, 5; Allen, 4; Bartholomew, 3; Boone, 2; Brown, 8; Cass, 13; Clay, 6; Clinton, 20; Crawford, 2; Decatur, 19; Dekalb, 4; Delaware, 12; Elkhart, 83; Lafayette, 4; Gibson, 3; Grant, 35; Hancock, 1; Hendricks, 8; Howard, 16; Huntington, 14; Jackson, 6; Knox, 11; Kosciusko, 5; Lake, 11; Laporte, 3; Lawrence, 9; Madison, 5; Marion, 92; Martin, 8; Miami, 2; Montgomery, 20; Morgan, 1; Noble, 4; Orange, 19; Pike, 7; Porter, 1; Posey, 1; Pulaski, 3; Putnam, 1; Ripley, 16; Rush, 6; Scott, 2; Shelby, 46; Steuben, 1; St. Joseph, 47; Sullivan, 13; Switzerland, 1; Tippecanoe, 17; Vanderburgh, 9; Vermillion, 4; Vigo, 58; Wabash, 1; Warrick, 19; Wayne, 14; White, 9.

April, 1921—934 cases in 56 counties with 2 deaths. In the preceding month 734 cases in 55 counties with 1 death. In the same month last year 817 cases in 68 counties with 2 deaths. The counties reporting smallpox present were: Adams, 12; Allen, 12; Bartholomew, 4; Benton, 2; Blackford, 26; Boone, 11; Cass, 3; Clark, 1; Clay, 2; Clinton, 3; Dearborn, 2; Decatur, 10; Dekalb, 2; Delaware, 6; Elkhart, 205; Fayette, 3; Floyd, 4; Fountain, 18; Gibson, 45; Grant, 22; Hamilton, 1; Hancock, 2; Howard, 12; Jay, 3; Knox, 2; Kosciusko, 48; Lake, 10; Lawrence, 11; Madison, 1; Marion, 73; Marshall, 1; Martin, 2; Monroe, 3; Montgomery, 23; Morgan, 1; Noble, 5; Orange, 7; Pike, 10; Posey, 11; Pulaski, 11; Rush, 1; Shelby, 90; Steuben, 1; St. Joseph, 75; Sullivan, 12; Tippecanoe, 12; Tipton, 4; Vanderburgh, 10; Vermillion, 5; Vigo, 68; Wabash, 10; Warrick, 1; Wayne, 8; Wells, 1; Whitle, 4; Whitley, 2.

May, 1921—576 cases in 47 counties with 3 deaths. In the preceding month 934 cases in 56 counties with 2 deaths. In the same month last year 569 cases in 59 counties with 1 death. The counties reporting smallpox present were: Adams, 15; Allen, 25; Bartholomew, 17; Benton, 4; Blackford, 5; Boone, 8; Cass, 1; Clay, 4; Clinton, 1; Decatur, 16; Delaware, 12; Dubois, 3; Elkhart, 137; Gibson, 8; Grant, 17; Greene, 7; Hancock, 5; Hendricks, 1; Howard, 2; Jasper, 5; Knox, 1; Kosciusko, 45; Lagrange, 1; Lake, 6; Lawrence, 2; Marion, 62; Monroe, 2; Montgomery, 11; Noble, 2; Orange, 6; Parke, 1; Porter, 1; Posey, 4; Putnam, 1; Ripley, 13; Rush, 1; Shelby, 42; Steuben, 1; St. Joseph, 29; Sullivan, 2; Tippecanoe, 4; Vanderburgh, 3; Vermillion, 1; Vigo, 29; Wabash, 10; Wayne, 1; Wells, 2.

June, 1921—366 cases in 45 counties with 2 deaths. In the preceding month 576 cases in 47 counties with 3 deaths. In the same month last year 421 cases in 56 counties with no deaths. The counties reporting smallpox present were: Adams, 4; Allen, 6; Bartholomew, 10; Cass, 9; Clay, 5; Daviess, 3; Decatur, 2; Dekalb, 1; Delaware, 5; Dubois, 1; Elkhart, 36; Fayette, 1; Floyd, 1; Gibson, 4; Grant, 45; Greene, 7; Hendricks, 15; Huntington, 1; Jackson, 2; Jasper, 4; Jennings, 1; Knox, 2; Kosciusko, 22; Laporte, 1; Lawrence, 1; Marion, 78; Montgomery, 17; Noble, 1; Orange, 7; Parke, 2; Perry, 6; Posey, 2; Randolph, 7; Ripley, 7; Rush, 8; Starke, 2; St. Joseph, 25; Sullivan, 1; Tipton, 1; Vanderburgh, 1; Vermillion, 3; Vigo, 6; Warrick, 1; Wayne, 1; White, 1.

July, 1921—103 cases in 22 counties with 1 death. In the preceding month 366 cases in 45 counties with 2 deaths. In the same month last year 254 cases in 43 counties with no deaths. The counties reporting smallpox present were: Allen, 19; Cass, 1; Decatur, 1; Dekalb, 1; Elkhart, 8; Fayette, 1; Fountain, 1; Grant, 11; Greene, 1; Hendricks, 4; Howard, 4; Kosciusko, 7; Marion, 15; Monroe, 4; Montgomery, 4; Parke, 1; Porter, 1; Rush, 2; Starke, 1; St. Joseph, 8; Sullivan, 5; Vanderburgh, 3.

August, 1921—39 cases in 13 counties with no deaths. In the preceding month 103 cases in 22 counties with 1 death. In the same month last year 141 cases in 27 counties with no deaths. The counties reporting smallpox present were: Allen, 5; Benton, 1;

Elkhart, 2; Gibson, 1; Grant, 8; Greene, 5; Howard, 1; Lawrence, 4; Marion, 6; Montgomery, 1; St. Joseph, 1; Tipton, 1; Vigo, 3.

September, 1921—26 cases reported in 12 counties with no deaths. In the preceding month 39 cases in 13 counties with no deaths. In the same month last year 111 cases in 25 counties with 2 deaths. The counties reporting smallpox present were: Allen, 1; Grant, 6; Jay, 2; Jefferson, 4; Lake, 1; Marion, 2; Martin, 4; Morgan, 1; Orange, 2; Sullivan, 1; Tippecanoe, 1; Tipton, 1.

October, 1921—13 cases with no deaths in 8 counties. In the preceding month 26 cases in 12 counties with no deaths. In the same month last year 321 cases in 31 counties with no deaths. The counties reporting smallpox present were: Allen, 2; Greene, 3; Jasper, 2; Jay, 2; Lake, 1; Marion, 1; Pike, 1; St. Joseph, 1.

November, 1921—74 cases in 13 counties with 1 death. In the preceding month 13 cases in 8 counties with no deaths. In the same month last year 452 cases in 35 counties with no deaths. The counties reporting smallpox present were: Clay, 18: Elkhart, 2; Grant, 3; Henry, 1; Howard, 1; Jasper, 37; Lake, 2; Lawrence, 1; Monroe, 2; Owen, 4; Parke, 1; Porter, 1: Vigo, 1.

December, 1921—85 cases in 26 counties with 3 deaths. In the preceding month 74 cases in 13 counties with 1 death. In the same month last year 794 cases in 51 counties with 4 deaths. The counties reporting smallpox present were: Blackford, 2; Cass, 6; Clay, 13; Daviess, 1; Dekalb, 6; Grant, 11; Hendricks, 1; Howard, 1; Huntington, 1; Jasper, 12; Jay, 1; Knox, 1; Laporte, 1; Lawrence, 1; Marion, 3; Monroe, 2; Noble, 2; Porter, 4; Ripley, 2; Spencer, 1; Starke, 1; Steuben, 1; St. Joseph, 1; Wayne, 1; Wells, 8; White, 1.

MONTHLY ANALYSIS OF TUBERCULOSIS

(As published in the Monthly Bulletin)

January, 1921—238 deaths, of which 199 were of the pulmonary form and 39 other forms. The male tuberculosis deaths numbered 101, females 137. Of the males 23 were married in the age period 18 to 40 and left 46 orphans under 12 years of age. Of the females 48 were married in the same age period as above and left 96 orphans under 12 years of age. Total number of orphans made in one month by this preventable disease, 142. Number of homes invaded, 224.

February, 1921—210 deaths, of which 167 were of the pulmonary form and 43 other forms. The male tuberculosis deaths numbered 109, females 101. Of the males 19 were married in the age period 18 to 40 and left 38 orphans under 12 years of age. Of the females 35 were married in the same age period as above and left 70 orphans under 12 years of age. Total number of orphans made in one month by this preventable disease, 108. Number of homes invaded, 192.

March, 1921—271 deaths, of which 230 were of the pulmonary form and 41 other forms. The male tuberculosis deaths numbered 139, females 132. Of the males 44 were married in the age period 18 to 40 and left 88 orphans under 12 years of age. Of the females 39 were married in the same age period as above and left 78 orphans under 12 years of age. Total number of orphans made in one month by this preventable disease, 166. Number of homes invaded, 257.

April, 1921—244 deaths, of which 193 were of the pulmonary form and 51 other forms. Male tuberculosis deaths numbered 111, females 133. Of the males 29 were married in the age period of 18 to 40 and left 58 orphans under 12 years of age. Of the females 42 were married in the same age period as above and left 84 orphans under 12 years of age. Total number of orphans made in one month by this preventable disease, 142. Number of homes invaded, 228.

May, 1921—275 deaths, of which 225 were of the pulmonary form and 50 other forms. Males numbered 127, females 148. Of the males 28 were married in the age period 18 to 40 and left 56 orphans under 12 years of age. Of the females 52 were married in the same age period as above, and left 104 orphans under 12 years of age. Total number of orphans made in one month by this preventable disease, 160. Number of homes invaded, 260.

June, 1921—215 deaths, of which 185 were of the pulmonary form and 30 other forms. The males numbered 94, females 121. Of the males 19 were married in the age period 18 to 40 and left 38 orphans under 12 years of age. Of the females 45 were married in the same age period as above, and left 90 orphans under 12 years of age. Total orphans made in one month by this preventable disease, 128. Number of homes invaded, 200.

July, 1921—219 deaths, of which 186 were of the pulmonary form and 33 other forms. The males numbered 106, females 113. Of the males, 17 were married in the age period of 18 to 40 and left 34 orphans under 12 years of age. Of the females 37 were married in the same age period as above and left 74 orphans under 12 years of age. Total number of orphans made in one month by this preventable disease, 118. Number of homes invaded, 204.

August, 1921—184 deaths, of which 154 were of the pulmonary form and 30 other forms. The males numbered 89, females 95. Of the males, 15 were married in the age period of 18 to 40 and left 30 orphans under 12 years of age. Of the females, 34 were married in the same age period as above and left 68 orphans under 12 years of age. Total number of orphans made in one month by this preventable disease, 98. Number of homes invaded, 170.

September, 1921—179 deaths, of which 153 were of the pulmonary form and 26 other forms. Males numbered 88, females 91. In the preceding month there were 184 deaths and in the same month last year 191 deaths. Of the males, 16 were married in the age period 18 to 40 and left 32 orphans under 12 years of age. Of the females, 29 were married in the same age period as above and left 58 orphans under 12 years of age. Total number of orphans made in one month by this preventable disease, 90. Number of homes invaded, 163.

October, 1921—191 deaths, of which 144 were of the pulmonary form and 47 other forms. The males numbered 91, females 100. In the preceding month there were 179 deaths and in the same month last year 205 deaths. Of the males, 23 were married in the age period 18 to 40 and left 46 orphans under 12 years of age. Of the females, 26 were married in the same age period as above and left 52 orphans under 12 years of age. Total number of orphans made in one month by this preventable disease, 98. Number of homes invaded, 179.

November, 1921—210 deaths, of which 179 were of the pulmonary form and 31 other forms. Males numbered 93, females 107. Of the males, 24 were married in the age period 18 to 40 and left 48 orphans under 12 years of age. Of the females, 36 were married in the same age period as above and left 72 orphans under 12 years of age. Total number of orphans made in one month by this preventable disease, 120. Number of homes invaded, 193.

December, 1921—205 deaths, of which 178 were of the pulmonary form and 27 other forms. Males numbered 101, females 104. Of the males, 15 were married in the age period 18 to 40 and left 30 orphans under 12 years of age. Of the females, 34 were married in the same age period as above and left 68 orphans under 12 years of age. Total number of orphans made in one month by this preventable diesease, 98. Number of homes invaded, 189.

MONTHLY ANALYSIS OF PNEUMONIA

(As published in the Monthly Bulletin)

January, 1921—444 deaths, rate 181.8 per 100,000. In the preceding month 354 deaths, rate 144.1. In the same month last year 602 deaths, rate 245.0. Males numbered 222, females 222.

February, 1921—305 deaths, rate 124.9 per 100,000. In the preceding month 444 deaths, rate 181.8. In the same month last year, 1,226 deaths, rate 499.0. Males numbered 164, females 141.

March, 1921—296 deaths, rate 121.2 per 100,000. In the preceding month 305 deaths, rate 124.9. In the same month last year 544 deaths, rate 221.3.

April, 1921—190 deaths, rate 77.8 per 100,000. In the preceding month 296 deaths, rate 121.2. In the same month last year 278 deaths, rate 113.1.

May, 1921—142 deaths, rate 58.1 per 100,000. In the preceding month 190 deaths, rate 77.8. In the same month last year 322 deaths, rate 131.1. Males numbered 79, females 63.

June, 1921—69 deaths, rate 28.3 per 100,000. In the preceding month 142 deaths, rate 58.1. In the same month last year 133 deaths, rate 54.1. Males numbered 42, females 27

July, 1921—55 deaths, rate 22.5 per 100,000. In the preceding month 69 deaths, rate 28.3. In the same month last year 85 deaths, rate 34.6. Males numbered 28, females 27.

August, 1921—66 deaths, rate 27.0 per 100,000. In the preceding month 55 deaths, rate 22.5. In the same month last year 75 deaths, rate 30.5. Males numbered 34, females 32.

September, 1921—98 deaths, rate 40.1 per 100,000. In the preceding month 66 deaths, rate 27.0. In the same month last year 68 deaths, rate 27.7. Males numbered 65, females 33.

October, 1921—146 deaths, rate 59.8. In the preceding month 98 deaths, rate 40.1. In the same month last year 128 deaths, rate 52.1. Males numbered 71, females 75.

November, 1921—206 deaths, rate 84.4 per 100,000. In the preceding month 156 deaths, rate 59.8. In the same month last year 210 deaths, rate 85.5. Males numbered 96, females 110.

December, 1921—277 deaths, rate 113.4 per 100,000. In the preceding month 206 deaths, rate 84.4. In the same month last year 354 deaths, rate 144.1. Males numbered 132, females 145.

MONTHLY ANALYSIS OF INFLUENZA

(As published in the Monthly Bulletin)

January, 1921—79 cases in 15 counties with 46 deaths. In the preceding month 113 cases in 13 counties with 32 deaths. In the same month last year 5,175 cases in 59 counties with 290 deaths.

February, 1921—31 cases in 10 counties with 52 deaths. In the preceding month 79 cases in 15 counties with 46 deaths. In the same month last year 18,217 cases in 81 counties with 1,232 deaths.

March, 1921—14 cases in 7 counties with 42 deaths. In the preceding month 31 cases in 10 counties with 52 deaths. In the same month last year 3,080 cases in 71 counties with 407 deaths.

April, 1921—40 cases in 8 counties with 22 deaths. In the preceding month 14 cases in 7 counties with 42 deaths. In the same month last year 279 cases in 36 counties with 97 deaths.

May, 1921—21 cases in 4 counties with 32 deaths. In the preceding month 40 cases in 8 counties with 22 deaths. In the same month last year 40 cases in 7 counties with 43 deaths.

June, 1921—37 cases in 2 counties with 6 deaths. In the preceding month 21 cases in 4 counties with 32 deaths. In the same month last year 34 cases in 6 counties with 23 deaths.

July, 1921—45 cases reported from one county with 6 deaths. In the preceding month 37 cases in 26 counties with 6 deaths. In the same month last year 13 deaths.

August, 1921—48 cases in 2 counties, with 11 deaths. In the preceding month 45 cases in 1 county with 6 deaths. In the same month last year 10 cases in 1 county with 6 deaths.

September, 1921—35 cases in 1 county with 16 deaths. In the preceding month 48 cases in 2 counties with 11 deaths. In the same month last year 12 cases in 2 counties with 6 deaths.

October, 1921—33 cases in 6 counties with 22 deaths. In the preceding month 35 cases in 1 county with 16 deaths. In the same month last year, 52 cases in 4 counties with 15 deaths.

November, 1921—38 cases in 4 counties with 14 deaths. In the preceding month 33 cases in 6 counties with 22 deaths. In the same month last year 79 cases in 10 counties with 17 deaths.

December, 1921—78 cases in 8 counties with 32 deaths. In the preceding month 38 cases in 4 counties with 14 deaths. In the same month last year 113 cases in 13 counties with 32 deaths.

MONTHLY ANALYSIS OF TYPHOID FEVER

(As published in the Monthly Bulletin)

January, 1921—48 cases in 15 counties with 16 deaths. In the preceding month 74 cases in 26 counties with 26 deaths. In the same month last year 22 cases in 7 counties with 15 deaths.

February, 1921—39 cases in 17 counties with 20 deaths. In the preceding month 48 cases in 15 counties with 16 deaths. In the same month last year 27 cases in 12 counties with 19 deaths.

March, 1921—28 cases in 13 counties with 9 deaths. In the preceding month 39 cases in 17 counties with 20 deaths. In the same month last year 27 cases in 13 counties with 13 deaths.

April, 1921—36 cases in 16 counties with 6 deaths. In the preceding month 28 cases in 13 counties with 9 deaths. In the same month last year 39 cases in 14 counties with 9 deaths.

May, 1921—20 cases in 12 counties with 7 deaths. In the preceding month 36 cases in 16 counties with 6 deaths. In the same month last year 98 cases in 18 counties with 18 deaths.

June, 1921—40 cases in 24 counties with 13 deaths. In the preceding month 20 cases in 12 counties with 7 deaths. In the same month last year 83 cases in 17 counties with 21 deaths.

July, 1921—121 cases reported from 44 counties with 38 deaths. In the preceding month 40 cases in 24 counties with 13 deaths. In the same month last year 56 cases in 24 counties with 18 deaths.

August, 1921—194 cases in 47 counties with 64 deaths. In the preceding month 121 cases reported from 44 counties with 38 deaths. In the same month last year 69 cases in 37 counties with 32 deaths.

September, 1921—245 cases in 54 counties with 58 deaths. In the preceding month 194 cases in 47 counties with 64 deaths. In the same month last year 80 cases in 34 counties with 33 deaths.

October, 1921—157 cases in 47 counties with 56 deaths. In the preceding month 245 cases in 54 counties with 58 deaths. In the same month last year 138 cases in 42 counties with 39 deaths.

November, 1921—80 cases in 35 counties with 29 deaths. In the preceding month 157 cases in 47 counties with 56 deaths. In the same month last year 112 cases in 34 counties with 29 deaths.

December, 1921—62 cases in 22 counties with 22 deaths. In the preceding month 80 cases in 35 counties with 29 deaths. In the same month last year, 74 cases in 26 counties with 26 deaths.

MONTHLY ANALYSIS OF DIPHTHERIA

(As published in the Monthly Bulletin)

January, 1921—300 cases in 50 counties with 43 deaths. In the preceding month 515 cases in 57 counties with 67 deaths. In the same month last year 176 cases in 35 counties with 41 deaths.

February, 1921—276 cases in 43 counties with 36 deaths. In the preceding month 300 cases in 50 counties with 43 deaths. In the same month last year 214 cases in 39 counties with 25 deaths.

March, 1921—247 cases in 43 counties with 28 deaths. In the preceding month 276 cases in 43 counties with 36 deaths. In the same month last year 133 cases in 34 counties with 21 deaths.

April, 1921—314 cases in 43 counties with 36 deaths. In the preceding month 247 cases in 43 counties with 28 deaths. In the same month last year 150 cases in 31 counties with 21 deaths.

May, 1921-220 cases in 33 counties with 23 deaths. In the preceding month 314 cases in 43 counties with 36 deaths. In the same month last year 112 cases in 25 counties with 25 deaths.

June, 1921—165 cases in 32 counties with 25 deaths. In the preceding month 220 cases in 33 counties with 23 deaths. In the same month last year 110 cases in 29 counties with 10 deaths.

July, 1921—183 cases in 35 counties with 29 deaths. In the preceding month 165 cases in 32 counties with 25 deaths. In the same month last year 96 cases in 22 counties with 16 deaths.

August, 1921—242 cases reported in 33 counties with 23 deaths. In the preceding month 183 cases in 35 counties with 29 deaths. In the same month last year 77 cases in 26 counties with 9 deaths.

September, 1921—870 cases in 55 counties with 69 deaths. In the preceding month 242 cases in 33 counties with 23 deaths. In the same month last year 122 cases in 32 counties with 18 deaths.

October, 1921—1,770 cases in 67 counties with 142 deaths. In the preceding month 870 cases in 55 counties with 69 deaths. In the same month last year 378 cases in 48 counties with 50 deaths.

November, 1921—1,214 cases in 66 counties with 124 deaths. In the preceding month 1,770 cases in 67 counties with 142 deaths. In the same month last year 483 cases in 52 counties with 46 deaths.

December, 1921—741 cases in 68 counties with 96 deaths. In the preceding month 1,214 cases in 66 counties with 124 deaths. In the same month last year, 515 cases in 57 counties with 67 deaths.

MONTHLY ANALYSIS OF MEASLES

(As published in the Monthly Bulletin)

January, 1921—339 cases in 37 counties with 8 deaths. In the preceding month 137 cases in 26 counties with 3 deaths. In the same month last year 1,673 cases in 57 counties with 15 deaths.

February, 1921—761 cases in 39 counties with 11 deaths. In the preceding month 339 cases in 37 counties with 8 deaths. In the same month last year 1,907 cases in 63 counties with 41 deaths.

March, 1921—843 cases in 37 counties with 18 deaths. In the preceding month 761 cases in 39 counties with 11 deaths. In the same month last year 2,681 cases in 66 counties with 65 deaths.

April, 1921—757 cases in 44 counties with 15 deaths. In the preceding month 843 cases in 37 counties with 18 deaths. In the same month last year 5,836 cases reported in 77 counties with 60 deaths.

May, 1921—284 cases in 27 counties with 7 deaths. In the preceding month 757 cases in 44 counties with 15 deaths. In the same month last year 3,215 cases in 79 counties with 57 deaths.

June, 1921—150 cases in 25 counties with 4 deaths. In the preceding month 284 cases in 27° counties with 7 deaths. In the same month last year 1,494 cases in 71 counties with 22 deaths.

July, 1921—62 cases in 19 counties with 1 death. In the preceding month 150 cases in 25 counties with 4 deaths. In the same month last year 274 cases in 44 counties with 4 deaths.

August, 1921—48 cases in 12 counties with 1 death. In the preceding month 62 cases in 19 counties with 1 death. In the same month last year 63 cases in 14 counties with no deaths.

September, 1921—29 cases reported in 9 counties with 1 death. In the preceding month 48 cases in 12 counties with 1 death. In the same month last year 26 cases in 10 counties with 1 death.

October, 1921—95 cases in 7 counties with 1 death. In the preceding month 29 cases in 9 counties with 1 death. In the same month last year 65 cases in 9 counties with no deaths.

November, 1921—53 cases in 11 counties with 1 death. In the preceding month 95 cases in 7 counties with 1 death. In the same month last year 151 cases reported in 17 counties with 2 deaths.

December, 1921—22 cases in 12 counties with 1 death. In the preceding month 53 cases in 11 counties with 1 death. In the same month last year 137 cases in 26 counties with 3 deaths.

MONTHLY ANALYSIS OF SCARLET FEVER

(As published in the Monthly Bulletin)

January, 1921—1,173 cases in 75 counties with 24 deaths. In the preceding month 1,085 cases in 74 counties with 16 deaths. In the same month last year 809 cases in 53 counties with 16 deaths.

February, 1921—1,169 cases in 73 counties with 18 deaths. In the preceding month 1,173 cases in 75 counties with 24 deaths. In the same month last year 913 cases in 57 counties with 37 deaths.

March, 1921—1,227 cases in 69 counties with 19 deaths. In the preceding month 1,169 cases in 73 counties with 18 deaths. In the same month last year 674 cases in 60 counties with 27 deaths.

April, 1921—928 cases in 65 counties with 15 deaths. In the preceding month 1,227 cases in 69 counties with 19 deaths. In the same month last year 958 cases reported in 63 counties with 16 deaths.

May, 1921--556 cases in 54 counties with 12 deaths. In the preceding month 928 cases in 65 counties with 15 deaths. In the same month last year 661 cases in 61 counties with 22 deaths.

June, 1921—276 cases in 44 counties with 7 deaths. In the preceding month 556 cases in 54 counties with 12 deaths. In the same month last year 374 cases in 49 counties with 11 deaths.

July, 1921—136 cases reported from 42 counties with 7 deaths. In the preceding month 276 cases in 44 counties with 7 deaths. In the same month last year 215 cases in 43 counties with 7 deaths.

August, 1921—112 cases in 30 counties with 4 deaths. In the preceding month 136 cases reported from 42 counties with 7 deaths. In the same month last year 159 cases in 41 counties with 4 deaths.

September, 1921-224 cases in 52 counties with 5 deaths. In the preceding month 112 cases in 30 counties with 4 deaths. In the same month last year 195 cases in 42 counties with 2 deaths.

October, 1921—573 cases in 62 counties with 8 deaths. In the preceding month 224 cases in 52 counties with 5 deaths. In the same month last year 563 cases in 62 counties with 12 deaths.

November, 1921—567 cases reported in 59 counties with 16 deaths. In the preceding month 573 cases in 62 counties with 8 deaths. In the same month last year 829 cases in 66 counties with 17 deaths.

December, 1921—557 cases reported in 62 counties with 12 deaths. In the preceding month 567 cases reported in 59 counties with 16 deaths. In the same month last year 1,085 cases in 74 counties with 16 deaths.

MONTHLY ANALYSIS OF POLIOMYELITIS

(As published in the Monthly Bulletin)

January, 1921—1 case in 1 county with no deaths. In the preceding month 1 case in 1 county with 1 death. In the same month last year 1 case and 1 death in Lagrange county.

February, 1921—1 case in 1 county with no deaths. In the preceding month no cases. In the same month last year no cases.

March, 1921—2 cases in 2 counties with 2 deaths. In the preceding month 1 case in 1 county with no deaths. In the same month last year 1 case and no deaths.

April, 1921—2 cases in 2 counties with 1 death. In the preceding month 2 cases in 2 counties with 2 deaths. In the same month last year no cases reported with 1 death.

May, 1921—1 case in 1 county with 2 deaths. In the preceding month 2 cases in 2 counties with 1 death. In the same month last year 3 cases in 3 counties with 2 deaths.

June, 1921—2 cases in 2 counties with no deaths. In the preceding month 1 case in 1 county with 2 deaths. In the same month last year 5 cases in 3 counties with 2 deaths.

July, 1921—11 cases in 9 counties with 4 deaths. In the preceding month 2 cases in 2 counties with no deaths. In the same month last year 1 case in 1 county with 1 death.

August, 1921—12 cases in 6 counties with 11 deaths. In the preceding month 11 cases in 9 counties with 4 deaths. In the same month last year 6 cases in 5 counties with 1 death.

September, 1921—32 cases in 19 counties with 8 deaths. In the preceding month 12 cases in 6 counties with 11 deaths. In the same month last year 7 cases in 6 counties with no deaths.

October, 1921—11 cases in 8 counties with 4 deaths. In the preceding month 32 cases in 19 counties with 8 deaths. In the same month last year 3 cases in 3 counties with 1 death.

November, 1921—2 cases in 2 counties with no deaths. In the preceding month 11 cases in 8 counties with 4 deaths. In the same month last year 2 cases in 2 counties with 1 death.

December, 1921—3 cases in 3 counties with 2 deaths. In the preceding month 2 cases in 2 counties with no deaths. In the same month last year 1 case in 1 county with 1 death.

MONTHLY ANALYSIS OF SYPHILIS

(As published in the Monthly Bulletin)

January, 1921—218 cases in 39 counties with 9 deaths. In the preceding month 198 cases in 33 counties with 17 deaths.

February, 1921—196 cases in 38 counties with 18 deaths. In the preceding month 213 cases in 39 counties with 9 deaths. In the same month last year 335 cases in 29 counties with 19 deaths.

March, 1921—187 cases in 33 counties with 17 deaths. In the preceding month 196 cases in 38 counties with 18 deaths. In the same month last year 275 cases in 33 counties with 10 deaths.

April, 1921—257 cases in 37 counties with 10 deaths. In the preceding month 187 cases in 33 counties with 17 deaths. In the same month last year 317 cases in 37 counties with 30 deaths.

May, 1921—212 cases in 37 counties with 20 deaths. In the preceding month 257 cases in 37 counties with 10 deaths. In the same month last year 263 cases in 34 counties with 20 deaths.

June, 1921-243 cases in 38 counties with 18 deaths. In the preceding month 212 cases in 37 counties with 20 deaths. In the same month last year 271 cases in 43 counties with 12 deaths.

July, 1921—222 cases in 37 counties with 22 deaths. In the preceding month 243 cases in 38 counties with 18 deaths. In the same month last year 140 cases in 23 counties with 14 deaths.

August, 1921-254 cases in 40 counties with 16 deaths. In the preceding month 222 cases in 37 counties with 22 deaths. In the same month last year 154 cases in 30 counties with 8 deaths.

September, 1921—281 cases in 42 counties with 17 deaths. In the preceding month 254 cases in 40 counties with 16 deaths. In the same month last year 216 cases in 31 counties with 12 deaths.

October, 1921—244 cases in 41 counties with 14 deaths. In the preceding month 281 cases in 42 counties with 17 deaths. In the same month last year 236 cases in 38 counties with 12 deaths.

November, 1921—165 cases in 44 counties with 16 deaths. In the preceding month 224 cases in 51 counties with 14 deaths. In the same month last year 167 cases in 32 counties with 17 deaths.

December, 1921—320 cases in 39 counties with 26 deaths. In the preceding month 165 cases in 44 counties with 16 deaths. In the same month last year 198 cases in 33 counties with 17 deaths.

MONTHLY ANALYSIS OF GONORRHEA

(As published in the Monthly Bulletin)

January, 1921-193 cases in 31 counties. In the preceding month 195 cases in 26 counties.

February, 1921-237 cases in 33 counties. In the preceding month 193 cases in 31 counties. In the same month last year 360 cases in 32 counties.

March, 1921-229 cases reported in 30 counties. In the preceding month 237 cases in 33 counties. In the same month last year 425 cases in 31 counties.

April, 1921—216 cases in 24 counties. In the preceding month 229 cases in 30 counties. In the same month last year 328 cases in 33 counties.

May, 1921-234 cases in 30 counties. In the preceding month 216 cases in 24 counties. In the same month last year 294 cases in 34 counties.

June, 1921-189 cases in 25 counties. In the preceding month 234 cases in 30 counties. In the same month last year 383 cases in 36 counties.

July, 1921-223 cases in 33 counties. In the preceding month 189 cases in 25 counties. In the same month last year 154 cases in 29 counties.

August, 1921—215 cases in 38 counties. In the preceding month 223 cases in 38 counties. In the same month last year 200 cases in 29 counties.

September, 1921—317 cases in 40 counties. In the preceding month 215 cases in 38 counties. In the same month last year 218 cases in 33 counties.

• October, 1921—214 cases in 34 counties. In the preceding month 317 cases in 40 counties. In the same month last year 272 cases in 35 counties.

November, 1921—168 cases in 29 counties. In the preceding month 214 cases in 34 counties, In the same month last year 263 cases in 29 counties.

December, 1921—238 cases in 28 counties. In the preceding month 168 cases in 29 counties. In the same month last year 195 cases in 26 counties.

MONTHLY ANALYSIS OF DISEASE PREVALENCE

(As published in the Monthly Bulletin

January, 1921—Scarlet fever, as in the preceding month, was reported as the most prevalent infectious disease. The order of prevalence was as follows: Scarlet fever, smallpox, measles, diphtheria, syphilis, gonorrhea, influenza, pneumonia, tuberculosis, typhoid fever, meningitis, poliomyelitis and trachoma.

February, 1921—Scarlet fever was again reported as the most prevalent infectious disease. The order of prevalence was as follows: Scarlet fever, measles, smallpox, diphtheria, gonorrhea, syphilis, tuberculosis, pneumonia, influenza, typhoid fever, meningitis, trachoma, poliomyelitis.

March, 1921—Scarlet fever was reported as the most prevalent infectious disease. The order of prevalence was as follows: Scarlet fever, measles, smallpox, tuberculosis, diphtheria, gonorrhea, syphilis, pneumonia, typhoid fever, influenza, meningitis, poliomyelitis, trachoma.

April, 1921—Smallpox was reported as the most prevalent infectious disease. The order of prevalence was as follows: Smallpox, scarlet fever, measles, diphtheria, syphilis, tuberculosis, gonorrhea, pneumonia, influenza, typhoid, trachoma, meningitis, poliomyelitis.

May, 1921—Smallpox was reported as the most prevalent infectious disease. The order of prevalence was as follows: Smallpox, scarlet fever, measles, tuberculosis, gonorrhea, diphtheria, syphilis, influenza, typhoid fever, pneumonia, meningitis, poliomyelitis, trachoma.

June, 1921—Smallpox was reported as the most prevalent infectious disease. The order of prevalence was as follows: Smallpox, scarlet fever, syphilis, gonorrhea, tuberculosis, diphtheria, measles, typhoid fever, influenza, pneumonia, trachoma, meningitis, poliomyelitis.

July, 1921—Tuberculosis was reported as the most prevalent infectious disease. The order of prevalence was as follows: Tuberculosis, gonorrhea, syphilis, diphtheria, scarlet fever, typhoid, smallpox, measles, influenza, pneumonia, poliomyelitis, meningitis, trachoma.

August, 1921—Syphilis was reported as the most prevalent infectious disease. The order of prevalence was as follows: Syphilis, diphtheria, gonorrhea, tuberculosis, typhoid fever, scarlet fever, influenza, measles, smallpox, poliomyelitis, preumonia, meningitis, trachoma.

September 1921—Diphtheria was reported as the most prevalent infectious disease. The order of prevalence was as follows: Diphtheria, gonorrhea, syphilis, typhoid fever, scarlet fever, tuberculosis, influenza, poliomyelitis, measles, smallpox, pneumonia, trachoma, meningitis.

October, 1921—Diphtheria was reported as the most prevalent infectious disease. The order of prevalence was as follows: Diphtheria, scarlet fever, syphilis, gonorrhea, typhoid, tuberculosis, measles, influenza, pneumonia, smallpox, poliomyelitis, meningitis and trachoma.

November, 1921—Diphtheria was reported as the most prevalent infectious disease. The order of prevalence was as follows: Diphtheria, scarlet fever, gonorrhea, syphilis, tuberculosis, typhoid fever, smallpox, measles, influenza, pneumonia, meningitis, poliomyelitis and trachoma.

December, 1921—Diphtheria was reported as the most prevalent infectious disease. The order of prevalence was as follows: Diphtheria, scarlet fever, syphilis, gonorrhea, tuberculosis, smallpox, influenza, typhoid fever, pneumonia, measles, meningitis, poliomyelitis, trachoma.

REPORT OF THE CHEMICAL DIVISION OF THE LABORATORY OF HYGIENE

I. L. MILLER, Chemist

Indiana State Board of Health. State Food and Drug Commissioner. State Commissioner of Weights and Measures. Superintendent Oil Inspection.

LABORATORY STAFF

V. C. STARNER, Food and Drug Chemist.

H. F. REINHARD, Assistant Food and Drug Chemist.

L. A. GEUPEL, Director of Water and Sewage Department.

J. C. DIGGS, Sanitary Engineer*.

H. W. DEUKER, Water Chemist and Bacteriologist.

LELAH BARNES, Assistant Water Chemist and Bacteriologist.

ALLEN R. STACY, Assistant Water Chemist*.

INSPECTION STAFF

A. W. BRUNER.
C. L. HUTCHENS.
C. V. STAINSBY*.
GEO. W. FRITSCHE.

JOHN H. ALE*. FRANK W. TUCKER. JOHN W. STOKES. RICHARD WHITE.

OFFICE STAFF

EDITH L. HOFFMAN, Chief Clerk. MARY HAMILTON, Clerk.* BERNICE GARNER, Clerk. ADA B. FOX, Clerk.

REPORT OF THE FOOD AND DRUG DEPARTMENT

The Department of Food and Drugs operates under seven laws, namely, the pure food and drug law, sanitary food law, cold storage law, renovated butter law, clean milk can law, linseed oil law and the model bakery law.

The Pure Food and Drug Law-

- 1. Defines the terms "Food" and "Drugs."
- 2. Defines adulteration and misbranding.
- 3. Defines unsanitary conditions relating to slaughterhouses.
- 4. Fixes the standard for milk.

The Sanitary Food Law-

- 1. Defines the term "Food."
- Defines unsanitary conditions relating to all food manufacturing and food distributing establishments.
- Sets forth certain definite requirements of construction of all buildings used for food manufacturing or food handling.

^{*} Resigned.

The Cold Storage Law-

- 1. Specifies time and conditions of storage of perishable foods.
- 2. Regulates the sale of cold storage eggs.
- 3. Provides for the licensing of cold storage plants.

The renovated butter law defines renovated butter and specifies the conditions under which it may be sold.

The clean milk can law provides for the sanitary cleansing of all receptacles used for the handling of milk, cream and all dairy products.

The linseed oil law adopts the standard of the United States Pharmacopoeia as a standard for Indiana.

The Model Bakery Law-

- 1. Sets out the sanitary requirements in detail for bakeries.
- 2. Requires all employes to obtain health certificates.
- 3. Provides for the sanitary analysis of water used in bakeries.
- 4. Forbids the return or exchange of bakery products except under certain conditions.
- 5. Fixes the standard weight for loaves of bread.

The State Board of Health through the food and drug commissioner and his inspectors are specifically charged with the enforcement of all these laws except the renovated butter law, clean milk can and the linseed oil laws. A corps of chemists and clerks and a staff of five inspectors are employed. The period of readjustment and reconstruction through which the country is passing has reacted disadvantageously to the department. Due to high prices of commodities and of hotel accommodations, operating costs have been greatly increased. No proportionate increase in funds having been made, retrenchments have been necessary. Larger salaries offered by industrial concerns have caused several resignations. This has resulted seriously, especially in case of the inspectors since an inspector becomes efficient only through many months of training.

Some very necessary equipment has been added in the chemical laboratories, making it possible to conduct practically all operations relating to the examination of foods and drugs for adulteration.

Co-operation with the Federal Bureau of Chemistry has been continued throughout the year. A large number of samples of goods from interstate commerce have been forwarded to the bureau. More than forty seizures have been made on samples thus collected. Federal co-operation is especially valuable because the department has no jurisdiction over establishments located outside the state where interstate shipments originate.

The policy of co-operation with other state departments has been continued. A number of food samples have been examined for the State Purchasing Department, and aid has been rendered the Department of Conservation in a number of instances.

Aid has also been rendered the various prohibition agencies through examination in the laboratories of a considerable number of liquor samples.

ADULTERATION AND MISBRANDING OF FOODS AND DRUGS

Adulteration and misbranding of foods and drugs has been reduced to the minimum. But few cases of misbranding have been found in case of goods entering the state through interstate commerce. Adulteration is confined very largely to that class of perishable goods produced and distributed within the state. While thirty-six per cent of the 1,574 samples of food examined and twelve per cent of the 114 samples of drugs examined were adulterated or misbranded within the meaning of the law, these figures do not correctly represent the extent of adulteration and misbranding. It is the policy of the department to take samples only of foods and drugs which are under suspicion rather than promiscuous sampling, which is very costly and consumes time which can more profitably be expended in other lines of work.

DAIRY PRODUCTS

The greatest percentage of adulteration, namely, thirty-seven per cent, occurred in dairy products. Of these, milk was most often adulterated, the adulteration usually occurring through the removal of a part of the butter fat. Especially was this practice found to be prevalent in restaurants and hotel dining rooms.

Of ninety-eight samples of ice cream examined only eleven were found deficient in butter fat or were otherwise adulterated. This is a remarkable showing in comparison with conditions existing only a few years ago. The improvement is very largely the result of the splendid co-operation of the ice cream manufacturers of the state. Many rumors of the use of cocoanut oil in ice cream have reached the department, but careful investigations have failed to establish any basis of fact. Manufacturers for the most part are bitterly opposed to this practice.

MEAT PRODUCTS

The adulteration of meat products has been constantly decreasing for several years. Twenty-eight per cent of all samples examined were found adulterated. This high percentage of adulteration was caused by the addition of cereal and sulphites to sausage, the former as a filler and the latter as a preservative. Both these practices are considered as reprehensible by the trade in general and only the ignorant and unscrupulous dealer resorts to them.

BEVERAGES

While 40 per cent of all samples of beverages and soft drinks examined were classed as adulterated, this figure does not fairly indicate the quality of soft drinks sold in Indiana. Those classed as adulterated either contained saccharin or a chemical preservative, and in almost every case were manufactured outside the state. The Indiana Bottlers Association has gone on record against the use of saccharin since it has no food value and is a fraud upon the consumer. Investigations and analyses of the products of the Indiana manufacturer indicate clearly that the use of saccharin is negligible.

SPECIAL INVESTIGATION OF HOTEL AND RESTAURANT MILK

The Food and Drug Department conducted a survey of restaurant and hotel milk and cream supplies during the fall of 1920. During the survey 689 samples of milk and 31 samples of cream were collected from the restaurants and hotels of 105 cities and towns of the state. Of the total number of milk samples collected 318 or 46.1% were deficient in butterfat, the percentage of fat in many cases running as low as .5 to .8%. A study of the methods of storing and serving of these supplies by the restaurant or hotel proprietors is very interesting.

Of the supplies kept in bulk in tanks and dipped into the glass, 49.8% were illegal. Of the samples from supplies kept in tanks and drawn through a faucet 72.2% were illegal. Of the samples poured from pint or quart bottles 40.3% were illegal. Of the samples served in the original one-half pint bottles only 4.7% were illegal. Of the samples served from sources unknown to the inspector 44.2% were illegal.

From these results it is seen that the serving of milk in restaurants and hotels in the original half pint bottles is by far the most satisfactory. The tank and faucet does not furnish a satisfactory means for serving milk because the product is not thoroughly mixed when the cream separates to the top. The product drawn from the bottom of the receptacle is practically skim milk. The tank from which the milk is dipped is but little better since the product will vary in its butterfat contents unless the operator is very careful to mix the milk thoroughly before each service. Pouring from a pint or quart bottle is objectionable unless the contents are thoroughly mixed. Judging from the results of analysis in the laboratory this is seldom done since the samples either showed a very low butterfat content or were extremely high, in many cases running above eight per cent. Several proprietors admitted that it was the custom to remove at least a part of the cream for serving with coffee and cereals. This practice is of course illegal since nothing but whole milk may be served the customer ordering milk.

The quality of the cream supplies is but little better than that of the milk. While the survey was not so extensive in the case of cream, of the thirty-one samples taken only eight were found to be of the legal strength of eighteen per cent butterfat. Many of these creams were but little better than a good quality of whole milk. During the survey it developed that it has become the custom, at least in some cases, to purchase so-called coffee cream, which contains only about twelve per cent butterfat. The state regulations recognize only one standard for cream, namely, eighteen per cent butterfat. All products served on orders for cream containing less than this amount of butterfat are illegal. The mixture of milk and cream served in many restaurants under the name of "half and half" should contain not less than ten and one-half per cent butterfat.

While the survey could not be extended to every eating place in the state, it has been extensive enough to indicate the average quality of milk products served to the eating public. It is unfortunate that the shortage of funds with the consequent curtailment of inspection work has made

it impossible to correct these conditions, however, steps are being taken to secure the serving of only standard products.

More than three hundred warnings have been sent to restaurant proprietors and many more are to follow. The quality of hotel and restaurant milk supplies and cream will be made a matter of regular inspection as in the case of all other milk supplies, and violators will be prosecuted. From the examination of the laboratory results on the samples examined and the prices paid, it is apparent that there is no difference in the price paid for milk of good quality and that of low standard. The seller of low standard milk is not only guilty of adulteration, but of profiteering.

The value of milk as a food has been brought to the attention of the public by extensive propaganda on the part of the physicians, health officers and dairymen. It has been shown that no other food is so perfect in furnishing the elements required for the building of tissue and the maintenance of life itself. It supplies every element to produce fat, muscle and bone. In addition to these valuable constituents it contains at least two principles, the so-called vitamines which are indispensable to the maintenance of life and growth. The fat soluble vitamines exist to a greater extent in butterfat than in any other food. water-soluble vitamines are found in skim milk. Through the recommendation of physicians and dietitians many people are drinking milk entirely from a health standpoint. These people in buying skimmed or partially skimmed milk are deprived of one of the elements of which they are in the greatest need. In view of these facts it is essential that all milk offered to the public should be of standard quality and absolutely clean and safe.

ANALYSIS OF FOODS AND DRUGS MADE DURING THE YEAR ENDING SEPTEMBER 30, 1921

CLASSIFICATION	Number Legal	Number Illegal	Total
lmonds	1		. 1
akery Products Bread. Doughnuts Cake. Raisin Pie.	1 1	3	10 1 1 1
aking Powder	5	1	6
everages Beer Home Brew Dry Beer. Root Beer Blackberry Cordial Coca Cola Syrup		1 4 1 1	3 7 5 1 1
Fruit Juice Green River Alcoholic Beverage Cider India Hot Cider Pop Whiskey	1 1 1 9 1 35	7 20 2	1 1 16 1 55
Winsaey. Liquor Ginger Ale Wine Cherry Wine	1 3	3	2 1 6

ANALYSIS OF FOODS AND DRUGS MADE DURING THE YEAR ENDING SEPTEMBER 30, 1921

	1		
Classification	Number Legal	Number Illegal	Total .
Butter—Apple	2		2
Candy	3	3	6
Canned Vegetables Pumpkin Red Kidney Beans	. 2	1	3
Peas	2	1 1 1	4 1 1
Tomatoes. Tomato Pulp Tomato Puree Tomato Catsup Corn	1 1	1 2	1 1 1 2
Canned Fruits Pie Peaches Peaches		· 1	1 1
"Cell" Food	1		1
Cereals Bran		1	1
Dairy Products Milk (Dairy) Milk (Mother's).	609 17	399	1,008 17
Milk (Evaporated) Buttermilk Butter Cream	19 11	6 2 13	$\begin{array}{c} 25 \\ 2 \\ 24 \end{array}$
Cream Ice Cream Cheese	24 87 1	27	51 98 1
Dessicated Egg Powder Egg Color in Oil Egg White (Frozen)	1 1 1		1 1 1
Extracts Lemon Almond	1	1	1 1
Vanilla	1		1 1
FigsFlour	1		1
Pancake Buckwheat	1	1	$\frac{1}{2}$
Fruit Products Cherries (Pitted) Strawberries	1	1	1
Freezem Pickle	1		1
Glucose	1		1
Honey	3	2	5
ce Cream Improver	1		1
Indian Gum	1		1
Mayonnaise Dressing	1		1
Meat Products	11	9	
Lard. Sausage	30	$\frac{3}{12}$	$\frac{14}{42}$

ANALYSIS OF FOODS AND DRUGS MADE DURING THE YEAR ENDING SEPTEMBER 30, 1921

Classification	Number Legal	Number Illegal	Total
Meat Weinerwurst Hamburger Bacon Boiled Ham Bologna Smoked Shoulder Meat Preservative	4 11 1	2 1 2 1	6 1 13 1 1 1 1
Oleomargarine	6		. 6
Oysters		3	3
Pepper (Powdered)		1	1
Punch Powder Ko-Ka-Ko		1	1
Salt	3		3
Sorghum Molasses		2	2
Substitute for Cream of Tartar	1		1
Syrup	1 4	i	1 5
Sugar	1	1	2
Vinegar Cider Distilled Grape Malt Pear Colored Distilled Molasses Vinegar	5 16 22 1 1 1 1	5 2 2	10 18 24 1 1 1 1
Miscellaneous Water (Poisoned). Water	1 2	1	. 1
Total	1,004	570	1,574

REPORT OF THE DRUG LABORATORY

Due to insufficient funds during the period of high operative costs the position of drug chemist which had been made vacant by resignation was not filled until June, 1921. No systematic analysis of drugs has been attempted. Of the 114 samples examined, very miscellaneous in character, 12% were found adulterated.

A summary of the results of analyses is shown in detail in the following table:

ANALYSIS OF DRUGS DURING THE YEAR ENDING SEPTEMBER 30, 1921

	1		
Classification	Number Legal	Number Illegal	Total
Alcohel (Ethyl)	3 .		3
Auto Top Dressing	1		1
Capsule (Unknown)	1		1
Carbonate of Magnesia Chamberlain's Ready Relief	$\frac{1}{10}$		10
namberiain's immediate Rener	7		7
Shemical (Unknown)	1		1
rippers Tonic.	î		1
Orug Mixture	2		2
ace Lotion	1		1
Tair Tonic	1		1
ash's Bitters	. 2		$\frac{1}{2}$
inseed Oil	4	1	5
Medicine	1 5		1 6
filk Magnesia		1	1
feo Salvarson	2	1	1 2
	_		2
aste	1		1
aste Powder	1.	1	1
ills (Unknown)	1		ī
oison (Unknewn)	1		1
uritan Cleaner	1		1
led Jacket Bitters	. 2		2
ol. Cit. Magnesia.	8	4	12
pirits Camphor	4		4
tell's Oiltock Food.	1 1		1
tock Foodubstance for Alcoholic content		1	1
ugar Packing Paper	1		î
ablets (Unknown)	1		1
ablets—Nerve	i		1
ablets—Nerve	1		1
incture Jamaica Ginger	1	1	$\frac{2}{1}$
	•		•
nknown Drug	1		1
Inknown Mixture	1		1
ault Powder	1		1
Vater Softener	1		1
Veed Killer Vhiskey	1	3	1 4
Thite Powder (Unknown)	1		1
Vine Pepsin	12		12
orm Remedy—Vetermary	1		1
fiscellaneous			
Window Shades	$\frac{1}{3}$		1 3
Soap Chips	4		4
Total Drugs Analyzed	100	14	114
Total Drugs Allalyzed	100	1.4	114

SANITARY INSPECTION

Four food inspectors and one drug inspector have been employed throughout the year. Although under the food and drug and sanitary laws the inspectors are given police powers it has not been the policy of the department to consider them as policemen but rather as "sanitary engineers," advising and counselling with manufacturers and distributers of food stuff in an endeavor to improve the sanitation of all establishments where food is handled. To the food manufacturer and distributer an inspector is either a friend or a foe. To those interested in the betterment of sanitary conditions the inspector has been of invaluable assistance. To the unscrupulous his visit has always been a source of fear. This policy has brought about remarkable improvements in all classes of food handling establishments. The state has been more thoroughly covered by the inspectors this year than in any previous year of the existence of the department. This has been made possible by the use of automobiles, two of which have been privately owned by the inspectors and two by the Department of Weights and Measures. localities least accessible to the inspector it has been found advantageous to have the food inspector travel with the inspector of weights and measures by auto, each attending to his individual work.

First inspections have been made in nearly one thousand towns, cities and villages of the state, or in almost every town and city numbering above three hundred and fifty inhabitants. Many of the cities have been visited numerous times on reinspection trips. It is unfortunate that available funds will not permit the use of autos by all inspectors thus permitting the greatest number of inspections at the minimum expense.

A total of 14,736 first inspections, 572 follow-up inspections, or a grand total of 15,308 inspections were made during the year, embracing twenty-six classes of food manufacturing and distributing establishments. The classes of business receiving the largest number of inspections respectively were groceries, hotels and restaurants, meat markets, confectioneries, cream stations and bakeries. From the standpoint of sanitation the inspection of dairy product establishments, restaurants and hotels and bakeries is perhaps of the most importance at this time. These establishments all produce or handle goods which are easily contaminated. They have likewise offered the greatest difficulties. Cream stations alone number 1,800, widely distributed, many in inaccessible places and often operated by inexperienced operators. The greater number of the restaurants are small, change owners quite often and in many instances are conducted by persons knowing little of the principles of sanitation. While improvement in sanitation and methods of operation are notable in all classes of food handling establishments, progress would be much more rapid if the inspection staff was large enough to permit of more frequent inspection.

Of all food manufacturing and distributing establishments inspected 58% were rated as good, 35% as fair, 6% as poor and only three-fourths

of one per cent as bad. Only a small fraction of one per cent has received the highest rating of excellent. In this connection it should be noted that the standards of rating have been unconsciously raised by the department and its inspectors as the years have passed and sanitary conditions have improved. In the inspection work the almost universal co-operation of trade associations and private dealers and operators has been highly satisfactory.

In addition to the routine inspections many special inspections and investigations have been carried on by the department. At least four inspectors of the department were present each day of the state fair who, with the assistance of the inspectors of the Indianapolis board of health and fair association officials, supervised the quality of food and the sanitation of all stands where food products were dispensed. At least one inspector visited for one or more days each of the county fairs throughout the state. Hundreds of inspections made at these fairs are not included in the grand total of inspections already mentioned. In addition to serving large numbers of people at these fairs the inspectors have aroused the interest of the fair secretaries who, in most instances, have made every effort to keep the grounds clean, well drained and to furnish a safe supply of drinking water.

A detailed summary of sanitary inspections and follow-up inspections is shown in the following tables:

SUMMARY OF SANITARY INSPECTIONS MADE DURING THE YEAR ENDING SEPTEMBER 30, 1921

CLASSIFICATIONS	Number Inspected	Number Excellent	Number Good	Number Fair	Number Poor	Number Bad
Bakeries. Bottling Works. Candy Factories. Canning Factories. Confectioneries.	799 72 20 151 1,076	1 3	371 32 13 91 724	342 30 5 44 317	74 10 2 12 30	12 3 2
Cold Storage. Creameries Cream Stations. Dairies. Doughnut and Coffee Shop.	95 1,061 395 1	1	1 68 434 96	22 422 190 1	4 187 74	1 18 34
Drug Stores. Fish Stores. Food Stands. Fruit and Vegetables. Flour Mills. Groceries.	724 30 924 49 156 4,157	3	512 19 505 29 109 2,780	174 9 389 20 42 1,262	36 2 27 5 103	3
Hotels and Restaurants Ice Plants Ice Cream Factories Ice Cream Parlors Meat Markets	1,759 15 92 217 1,373	1	773 12 62 167 938	826 3 27 47 383	3 3 49	18
Milk Plants Poultry and Produce. Slaughter Houses. Soda Fountains. Soft Drink Parlors.	294 220 120 47 885	• • • • • • • • • • • • • • • • • • • •	186 74 67 41 494	91 111 37 4 338	16 34 13 1 50	1 1 3 1 3
Miscellancous	14,736	12	8,598	5,139	875	112

SUMMARY OF FOLLOW-UP INSPECTIONS MADE DURING THE YEAR ENDING SEPTEMBER 30, 1921

Classifications	Number Inspections	Number O. K.	Number Not Satisfactory
Bakeries. Bottling Works Canning Factories. Creameries Cream Stations	77 6 6 6 132	67 5 6 5	10 1 1 24
Dairies Drug Stores Food Stands Groeeries Hotels and Restaurants	16 8 - 222 14 60	9 8 222 14 54	7
Ice Cream Parlors. Meat Markets Milk Plants. Soft Drink Parlors.	1 4 8 12	1 4 7 6	1 6
Total	572	516	56

CONDEMNATION OF FOOD ESTABLISHMENTS

The reports of sanitary inspections furnished the department by the inspectors are the basis of so-called condemnation notices or orders for improvements. Written notices are sent directly to the proprietors of all food handling and food producing establishments where unsanitary conditions have been found to exist. The receiver of the notice is given five days to appear personally before the food and drug commissioner to show reason why the improvements should not be made as ordered. At the expiration of the time given for the completion of such improvements a reinspection is made and the case closed if the unsanitary conditions have been abated or improvements made; otherwise the evidence of violation is submitted to the prosecuting attorney for action.

This system has proven so successful that during the past year only one affidavit was filed for non-compliance with the condemnation notice.

Condemnation notices are issued in case of unsanitary conditions, improper construction, no health certificates, in the case of bakers, and for failure to properly label bread. Improper construction includes those cases in which in order to secure proper sanitation it is necessary to make some change in the construction of the building or in some of the furnishings. As examples—supplying metal, wood or glass coverings for exposed foodstuffs; repair of floors and leaky iceboxes; the building of partitions in cream rooms and bakeries; repainting walls, etc.

Seven hundred and sixty-eight condemnations were issued during the year. Cream stations, restaurants, bakeries and dairies respectively were the classes of food establishments against which the larger number of condemnation notices were issued.

Six hundred and fifty-three reinspections were made, conditions found satisfactory and the cases closed.

SUMMARY OF CONDEMNATION NOTICES ISSUED DURING YEAR ENDING SEPTEMBER 30, 1921

CLASSIFICATION	Number		Orders Com- plied With			
	Issued	Unsanitary Conditions	Improper Construction	No Health Certificates	No Bread Labels	and Cases Closed
Bakeries Bottling Works Candy Factories Candy Kitchens Cafe — Hotel Confectioneries Cream Stations Dairies Drug Stores Doughnut Shop General Merchandise Groceries Groceries and Meat Markets Hotels Hotels Hotels Hotels and Restaurants	96 111 3 1 1 11 264 126 6 1 1 40 3 2	68 111 2 	46 4 3 1 7 7 240 118	18	35	100 5 1 1 12 2882 19 2 31 3 1
Total	5 2 5 17 10 2 133 2 5 1 2 0 768	5 2 4 13 10 2 119 2 4 1 19 	4 3 12 5 5 92 1 5 5	18	36	1 1 1 19 8 3 134 12 6 10

PROSECUTIONS

Fifty-one cases were filed for prosecution during the year. Fortyeight convictions were obtained; two cases were indefinitely postponed and one defendant found "not guilty."

Twenty-nine cases were filed for the sale of milk below the legal standard of 3.25%. These cases resulted from the campaign for the serving of better milk in restaurants and hotel dining rooms. Convictions were obtained in each case with the exception of two, in which the court recommended indefinite postponement. Eight cases were filed because of the addition of cereal to sausage or the preservation of sausage with sodium sulphite, resulting in convictions in each case. One defendant was successfully prosecuted for the exchange of bread in violation of the model bakery law.

The following table gives in detail a record of the prosecutions undertaken:

PROSECUTIONS MADE DURING THE YEAR ENDING SEPTEMBER 30, 1921

Final Disposi- tion	\$19 19 19 19 19 19 19 19 19 19 19 19 19 1	20 00 20 00 20 00	20 00 20 00	17 60 17 60 17 60 17 60 17 60 20 70 20 95 20 95	24 50 24 50 24 50 21 50
Date of Trial	10, 1921 10, 10	17, 1921 17, 1921 17, 1921	4, 1921 10, 1921 10, 1921 10, 1921 10, 1921 10, 1921 10, 1921 5, 1921	18, 1921 18, 1921 18, 1921 18, 1921 18, 1921 21, 1921 21, 1921 21, 1921	. 29, 1921 . 18, 1921 . 15, 1921 . 21, 1921
Da	Mar. Mar. Mar. Feb. Mar. Mar. Mar. Mar. Mar.	Aug. Aug. Aug.	Mar. Mar. Mar. Mar. Mar.	Mar. Mar. Mar. Mar. Mar.	Mar. Mar. July
Why Prosecuted	Adulterated sausage Adulterated sausage Milk below standard Watered oysters. Selling milk below standard	Selling adulterated butter. Selling adulterated butter. Selling adulterated butter.	Watered oysters. Milk below standard. Milk below standard. Milk below standard. Selling milk below standard. Selling milk below standard. Selling milk below standard. Watered milk. Unsanitary meat market	Adulteration of sausage Adulteration of sausage Adulteration of sausage Selling milk below standard Selling inc eream below standard Selling to eream below standard Selling adulterated sausage Selling adulterated sausage	Bread not labeled. Selling milk below standard. Bread not labeled. Selling milk below standard.
Name and Address of Defendant	Charles Hoffer, Muncie, Ind. Ed Hoffer, Muncie, Ind. Buy Bee Restaurant, Muncie, Ind. Buys Bee Restaurant, Muncie, Ind. Alberto Umberta. Cony Island lunch room. Boston Restaurant, Muncie, Ind. Johnson s Dairy, Muncie, Ind. Johnson s Dairy, Muncie, Ind. Herbert Hol-Craft, (Buehler Bros.) Meat Market, Muncie. Paris Restaurant, Muncie, Ind. Desc. L. Wenteger, Muncie, Ind. Jesse J. Stucky, (Campbell Ice Cream) Muncie, Ind.	H. P. Hornaday, Princeton, Ind. H. P. Hornaday, Princeton, Ind. H. P. Hornaday, Princeton, Ind.	T. L. Younkin, Russiaville, Ind. Al. Deardorff, Kokomo, Ind. Geo. Lambert, Kokomo, Ind. Geo. Smith, Kokomo, Ind. Geo. Smith, Kokomo, Ind. E. Howard Henry, Kokomo, Ind. E. Howard Henry, Kokomo, Ind. A. B. McGlove, Kokomo, Ind. A. E. McGlove, Kokomo, Ind.	H. C. Hamm, Vincennes, Ind. Alfred Nardine, Vincennes, Ind. J. Q. Summers, Vincennes, Ind. Edith Hunley, Vincennes, Ind. Catherine Waters, Vincennes, Ind. Albert Rund, Bicknell, Ind. Albert Rund, Bicknell, Ind.	Sam Walfel, Indiana Harbor, Ind. Makido Restaurant. Grecian Bakery, Indiana Harbor, Ind. Kaner Restaurant, Gary, Ind.
COUNTY	Delaware	Gibson Gibson Gibson	Howard Howard Howard Howard Howard Howard Howard Howard Howard	Knox Knox Knox Knox Knox Knox Knox Knox	Lake Lake Lake Lake

Not guilty 21 50 21 50 21 50 21 50 21 50 21 50 21 50 21 50 21 50 21 50 21 50 21 50	20 40 20 40 20 40 20 40	21 50
1921 1921 1921 1921 1921 1921 1921	1921 1921 1921 1921	1920
**************************************	14, 14, 5,	14,
July July July July July July	Mar. Mar. April	Dec. 14, 1920
Selling milk below standard	Exchanging bread. Milk below standard. Selling milk below standard. Selling milk below standard.	Sold 1 lb. oleomargarine for butter
New Style Lunch, Gary, Ind. Bedway Zule, Gary, Ind. Commercial Cafe, Gary, Ind. Martin Cafe, Gary, Ind. Martin Cafe, Gary, Ind. Lucile Chafe, Gary, Ind. Lucile Cafe, Gary, Ind. American Restaurant, Gary, Ind. American Restaurant, Gary, Ind. Boston Cafe, Gary, Ind.	William Dietzen Bakery, Anderson, Ind. N. C. Williams, Anderson, Ind. Pat, Camon, Anderson, Ind. Witts Restaurant, Anderson, Ind.	Wm. Fielder, Indianapolis, Ind
Lake Lake Lake Lake Lake Lake Lake	Madison. Madison. Madison. Madison.	Marion

GOODS ORDERED WITHDRAWN FROM SALE DURING THE YEAR ENDING SEPTEMBER 30, 1921

- 2 lots Pearl Brand corn meal; weight of package not truly declared.
- 957 cans tomatoes; consist of decomposed matter.
- 315 cans corn; consist of decomposed matter.
- 12 gallons "Kick-On"; contained benzoate of soda.
- 2 kegs cider; contained benzoate of soda.
- 2 kegs cordials; contained benzoate of soda.
- 14 cans 6 ounce Namo Brand crabs; cans swelled.
- 1θ gallons Ginger Hot; contained benzoate of soda.
- 9 quarts Razzle Dazzle; contained benzoate of soda.
- 32 gallons blackberry cider; contained benzozate of soda.
- 50 gallons cherry cordial; contained benzoate of soda.
- 122 cases orange cider; contained benzoate of soda.
- 149 cases Allouez grape nectar; contained saccharin.
 - 4 one gallon bottles grape compound; contained benzoate of scda.
 - 4 one-half gallon jars cherry melba; contained benzoate of soda.
 - 1 gallon jar claret; contained benzoate of soda.
 - 6 one-half gallon jars fig flakes; contained benzoate of soda.
 - 1 gallon ginger syrup; contained benzoate of soda.
 - 1 gallon pineapple syrup; contained benzoate of soda.
- 16 quarts ginger ale; contained benzoate of soda.
- 3 one-half gallon jars Tutti Frutti; contained benzoate of soda.
- 1 one-half gallon jar walnut panole; contained benzoate of soda.
- 4 one-half gallon jars sliced peaches; contained benzoate of soda.
- 2 gallon jars strawberries; contained benzoate of soda.
- 4 gallon jars red raspberries; contained benzoate of soda.
- 4 quarts "Aramat"; contained benzoate of soda.
- 19 quarts blackberry vim; contained benzoate of soda.
- 1 case margarine; contained benzoate of soda.
- 24 quarts apricot cordial; contained benzoate of soda.
- 40 quarts cider; contained benzoate of soda.

REPORT OF THE STATE DEPARTMENT OF WEIGHTS AND MEASURES

The activities of the Department of Weights and Measures are governed by four laws, namely, the general weights and measures act of 1911; a sale by weight law of 1917; the amended bushel weight law of 1917, and the act of 1921 supplementing the general weights and Measures law.

The Amended General Weights and Measures Law—

First. Provides for standard weights and measures and their custody.

Second. Specifies the manner of selecting and appointing county and city inspectors.

Third. Defines violations and fixes penalties.

Fourth. (a) Requires the testing once each year of all weighing and measuring devices of all state institutions under the jurisdiction of the State Board of Charities.

(b) Requires the checking of the standards of local inspectors bienially.

(c) Directs that tests of measuring devices be made upon written

request of any private citizen.

The sale by weight law requires that practically all fruits, vegetables and seeds be sold by weight except those commonly sold by numerical count, and except berries and similar small fruits.

The bushel weight act defines the weight of a bushel of practically all vegetables, fruits and seeds generally used as food for animals and

human beings.

The supplementary act of 1921 supplements section 8 of the general act and makes it an offense for any buyer of live stock, grain, feed, junk or other commodity to use false measuring devices or in any way to make false representation regarding the weight.

Two state inspectors and about twenty-four local inspectors are

now engaged in enforcing the provisions of the various laws.

NEEDS OF THE DEPARTMENT

Only about twenty-five per cent of the citizens of the state are served by local, city and county inspectors; the remaining seventy-five per cent of the people are dependent upon the state department for protection from the use of incorrect or fraudulent measuring devices and the practices of unscrupulous dealers. Two inspectors can not adequately perform the immense amount of work necessary to properly care for the interests at stake. In this connection it is rather interesting to note that Lake County alone employs five inspectors, while the city of Indianapolis has six inspectors on its staff. These two units with a population of about five hundred thousand have five times as many inspectors as the state department, which serves about five times the population.

The department, although organized for ten years, has never had more than ten thousand dollars annually available for its activities. The appropriation should be increased sufficiently to enable the department to employ at least two additional inspectors with automobiles equipped with all necessary apparatus. Additional inspectors could be added to the present organization at a cost of approximately three thousand dollars per year for salaries, expenses and equipment. The funds should be revolving rather than reverting, in order that money might be accumulated for replacement of automobiles, the life of which is not longer than about three years under the severe use to which they are subjected.

With the state divided into four inspection districts, with an inspector for each district, some fairly satisfactory program could be evolved for systematic inspection.

ROUTINE INSPECTION

All scales and measuring devices at each of the state institutions have been tested during the year as required by law. With few exceptions these devices were found correct and were sealed. Recommendation was made to the superintendent of the tuberculosis sanatorium at Rockville for the purchase of a 1,200 pound platform scale to be used for the checking of all commodities purchased for the institution. The

recommendation of a new counter scale was also made for the store room at the orphans' home at Knightstown.

The checking of the standards of local, city and county sealers has also been carried on in accordance with the provision for biennial testing.

Upon request, the department's exhibit of food and drugs and weights and measures was made at the industrial exposition at South Bend, the St. Joseph County Fair, the Lagrange County Fair, the Bourbon County Fair and the Laporte County Fair. The exhibit provoked much favorable comment upon the work of the department.

Many special investigations have been conducted independently and in conjunction with local weights and measures departments resulting in many adjustments and in reimbursements to the amount of over three thousand dollars.

It is the policy of the department to co-operate with other state departments and with associations when there is opportunity for it to increase its usefulness. Considerable valuable work has been done with the county agents and with the various farmer's organizations. Investigations were carried on at the Indianapolis Stock Yards, which were quite satisfactory both to the management and to the officials of the Farmers' Federation. Some abuses were eliminated and the spirit of harmony and co-operation engendered.

Such great numbers of requests from private individuals for testing of measuring devices have been received that no systematic inspection throughout the state has been attempted. The requests for the most part have been for inspection of heavy scales. The state department has inspected approximately 1.300 heavy scales, such as those used at coal yards and elevators, of which about 75% have been found correct. The work of the state department together with that of the local departments has resulted in the installation of very many new scales of large capacity. The installation has been greater than that of any previous year since the establishment of the department. Investigations of state and local inspectors indicate that much improvement has been made during the past two or three years in scales and measuring devices of every description. There has been increased interest among the dealers and on the part of the public. The value of the departments can not be accurately gauged because the good accomplished is negative rather than positive. Comparatively few cases of crooked dealing have been detected, but the prevention of unscrupulous and fraudulent practices through the knowledge that such departments exist have been incalculable.

Nearly 74% of the 37,195 scales tested in the state were found correct. In localities where systematic inspection has been carried on for several years, the percentage of accurate scales was much higher. In other localities where little or no work had previously been done more than half the heavy scales were found incorrect. In many cases the inaccuracy is sufficient to net the owner a splendid profit or to make his business practically profitless. The correction of such scales has involved the saving of untold thousands of dollars to the citizens of the state.

Of the total of 19,923 weights tested nearly 95% were found correct. This high percentage indicates a remarkable improvement over the conditions of a few years past.

The use of dry measures throughout the state has practically ceased except in the form of berry boxes since none of the common commodities are permitted to be sold by measure. Of the 399 tested only 52% were found correct. The remainder were confiscated.

A total of 10,680 liquid measures were tested, of which nearly 95% were found accurate. This high percentage of accurate measures is undoubtedly due to the fact that manufacturers of liquid measures are almost universally complying with state and national laws regulating such measures, knowing well that all inaccurate measures found will be confiscated. For the same reason practically all lineal measures have also been found correct, the percentage of inaccurate measures being only about nine per cent.

Gasoline pumps offer a more serious problem. Due to their construction, leaks in valves, pipe lines, etc., give many causes for leakages, which in turn cause inaccurate deliveries. Two thousand seven hundred forty-six gas pumps were tested during the year, of which 70% were correct. Inaccuracies up to ten or fifteen per cent in the deliveries have been discovered. Even a shortage of one-half pint on a five gallon delivery which was found quite common, undoubtedly costs purchasers thousands of dollars each year. Many pumps are now equipped with gauges, which indicate leakage and consequent short deliveries, but which are valueless unless the purchaser understands their operation and demands full measure. Practically all operators of filling stations are instructed to test their pumps daily. This is usually done but not always under proper conditions, and because in most cases the extent of the inaccuracy of the pump depends upon the length of time between deliveries is of but little value. A gauge or similar contrivance which will indicate when the cylinder is entirely full of gasoline, is much to be preferred. Only constant and careful supervision of all gasoline pumps, especially of the blind type can insure the purchaser against loss.

The weights and measures inspectors have no jurisdiction over water and gas meters except in a few cities, where by special agreement with the local authorities and the public service commission the testing is done by the local inspector.

The following table indicates in detail the work done by both the state and local departments during the year.

SUMMARY OF INSPECTIONS OF THE STATE DEPARTMENT OF WEIGHTS AND MEASURES FOR THE YEAR ENDING OCTOBER 1, 1921

	TRES	IstoT	16	152 60 66 77 60 60 60 60 60 60 60 60 60 60 60 60 60	399
<u>-</u>	MEASURES	Confiscated	00	00%0000011084000011700000	191
SISTAN	DRY	дээттоО.	16	200000000000000000000000000000000000000	208
P. WHITE, FIRST ASSISTANT		IstoT	89 425	163 50 0 0 0 0 0 0 0 0 0 0 0 0 0	19, 923
E, FI		Re-inspected	00	271 00 00 00 00 00 00 00 00 00 00	273
P. WHIT	Weights	Confiscated	90	117000000000000000000000000000000000000	39
R. 1	WE	Condemned	15	00000000000000000000000000000000000000	162
		bətavibA	111	255 00 00 112 112 112 112 113 113 113 113 113 113	585
٠		Соттест	72 410	134 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18,864
OR		IstoT	362	1, 601 1, 601 1, 347 1, 347 1, 347 1, 1042 1, 1042 1, 1042 1, 110 1, 110 1, 110 1, 120 1, 120 1, 120 1, 141 1, 141 1, 141 1, 160 1, 160	37, 195
NSPECT		Re-inspected	23	250 250 262 263 263 263 263 263 263 263 263 263	1,642
EF IN	LES	Confiscated	100	100 100 100 100 100 100 100 100 100 100	403
W. TUCKER, CHIEF INSPECTOR	SCALES	Condemned	60	238 2120 1200 1200 1200 1460 1460 1330 1330 1330 1400 1400 1400 1400 140	1,969
TUCK		bətsuibA	88	123 143 143 143 143 145 115 115 115 115 115 115 115 115 115	5,734
F. W		Correct	236 684	1, 1315 1, 1300 1, 1300 1, 1300 1, 1300 1, 427 1, 095 9, 087 1, 089 1, 137 1, 131 1, 1293 1, 1, 1293 1, 1, 1293 1, 1, 1293 1, 1, 1293 1, 1, 1293 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	27,447
I. L. MILLER, COMMISSIONER		JURISDICTION	State. State.	Huntington Co. LaFayette LaFayette LisFayette Lisfayet	
		NAME OF SEALER	F. W. Tucker, Chief Inspector R. P. White, Assistant Insp	D. S. Austin. J. A. Buck. H. H. Buck. H. H. Hay W. A. Hunt. F. Hubinger. G. O'Donnell. G. O'Donnell. J. B. Lupton H. O. Powell G. Okehlman. H. O. Powell G. Kepler. J. C. Scocffed. S. D. Symms. J. L. Sodon. A. E. Barton. G. S. Williams. J. K. Googled. G. S. Williams. J. C. Stephens.	Grand Total:

SUMMARY OF INSPECTIONS OF THE STATE DEPARTMENT OF WEIGHTS AND MEASURES FOR THE YEAR ENDING OCTOBER 1, 1921

		[stoT	28 51	187 73 73 73 73 73 73 73 73 73 7	2,746
. TN	PS	Condemned TisqsH Tol	00	20000000000000000000000000000000000000	218
SISTA	GASOLINE PUMPS	Condemned	eo	814 814 8000000000000000000000000000000000000	202
ST AS	GASOLD	bətsujbA	20.0	220 00 00 00 00 00 00 00 00 00 00 00 00	418
ITE, FII		Соттест	16	## ## ## ## ## ## ## ## ## ## ## ## ##	1,908
R. P. WHITE, FIRST ASSISTANT	ES	[stoT]	20	28 128 128 120 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,658
E	EASUR	Бергігед	00	000000000000000000000000000000000000000	92
	LINEAL MEASURES	Condemned	20	00r00000000000000000000000000000000000	99
	Lin	Совтест	% 0	11128 202 202 203 203 203 203 203 203 203 203	1,516
CTOR	SURES	LetoT	34	243 255 257 277 207 207 207 207 207 207 207 207 20	1,680
INSPE	LIQUID MEASURES	Condemned	0.02	44 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	575
CHIEF	Lıqun	Correct	32	189 242 342 342 342 342 342 342 360 360 360 360 360 360 360 360	10, 105
NER F. W. TUCKER, CHIEF INSPECTOR		JURISDICTION	State. State.	Huntington Co. Terre Haute Lake Co. Iske Co. Stein Co. Stein Co. Indianaport and Cass Co. South Bend. Indianapolis Evansville. Hammond. Indianapolis Columbus. Columbus. Crawfordsville and Montgomery Co. Vincemes and Knox Co. Vincemes Carter Co. V	
I. L. MILLER, COMMISSIONER		NAME OF SEALER	F. W. Tucker, Chief InspectorR. P. White, Assistant Inspector	D. S. Austin. J. A. Buck. H. H. Bay. H. H. Hay. W. A. Hunt. R. Hubinger G. O'Donnell J. D. Lupton. B. B. Miller Ed. McGuff H. O. Powell Geo. Kepler J. C. Soecfield G. C. Soecfield S. D. Symms J. L. Soden G. R. Rossell C. S. Williams J. Middleton. J. C. Stephens	Grand Total

SUMMARY OF INSPECTIONS OF THE STATE DEPARTMENT OF WEIGHTS AND MEASURES FOR THE YEAR ENDING OCTOBER 1, 1921

	COMPLAINTS	Money Refund	00	81, 394, 00 0 0 0 0 1, 684, 00 15, 415, 00 120, 00 120, 00 120, 00 0 0 0 0 0 0 0 0 1, 684, 00 15, 415, 00 0 0 0 0 0 0 0 0 0 0 0 0	\$3, 106.34
STANT	CON	Complaints	286 221	27 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1,413
R. P. WHITE, FIRST ASSISTANT	IONS	ni tanomA səniH	0	\$20.00 \$20.00	\$250.00
E, FIR	Prosecutions	Discharged	0	0-0000000000000000000000000000000000000	7
WHIT	PR	SnoitsivnoO	0	010010001040010000000000	18
R. P.	MISCELLANEOUS ARTICLES	IstoT	292 12	46 96 124 676 676 676 676 676 676 676 67	33, 912
	NEOUS	Short	002	000000000000000000000000000000000000000	279
	MISCELLA	Соттест	287	46 96 96 124 97 97 97 97 91 91 91 91 91 91 91 91 91 91	33, 633
TOR		LetoT	0	00 00 00 00 00 00 00 00 00 00 00 00 00	606
CHIEF INSPECTOR		Condemned for Repairs	00	000000000000000000000000000000000000000	0
EF IN	Meters	Condemned	00	000000000000000000000000000000000000000	72
	4	bətsuţbA	0	158 000000000000000000000000000000000000	158
CKER,		Correct	0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	629
SSIONER F. W. TUCKER,		JURISDICTION	State. State	Huntington Co. Terre Haute Lafrayette Lafrayette Lafrayette Lafrayette Lagrayette Cary Cary Cary Cary Cary Cary Cary Cary	
I. L. MILLER, COMMISSIONER		NAME OF SEALER	F. W. Tucker, Chief Inspector R. P. White, Assistant Inspector	D. S. Austin. F. Rowler. F. Fowler. H. H. Hay. W. A. Huntstant. G. O'Donnell. O. H. Harness. B. B. Miller. Ed. McGuff. L. Oehlman. H. O' Powell. Geo. Kepler. S. D. Symms. J. C. Socefield. S. D. Symms. J. L. Soden. A. E. Barton. G. C. S. Williams. J. Middleton. J. C. Stephens.	Grand total

REPORT OF THE WATER AND SEWAGE DEPARTMENT FOR YEAR ENDING SEPTEMBER 30, 1921

I. L. MILLER, Chief of Division of Chemistry.

*J. C. DIGGS, Sanitary Engineer.

L. A. GEUPEL, Director Water and Sewage Department.

H. W. DEUKER, Senior Chemist and Bacteriologist.

LELAH BARNES, Assistant Water Chemist and Bacteriologist.

THE WATER AND SEWAGE DEPARTMENT

Field surveys and inspections of all water supplies have been continued throughout the year as frequently as the available personnel would permit. The splendid co-operation of water works officials and local city and town officials and health officers has greatly facilitated the work of the department.

Quantity and quality of water are two live questions confronting Indiana cities. Intelligent, scientific and unbiased consideration will generally solve these questions. The public as well as public authorities and water works officials are coming more and more to understand that the municipal water supply, so vital to the general health, must be placed under the control of those responsible and fully competent to meet every emergency arising from variable conditions occurring in every city and from climatic changes that come with each season. Through this realization many public water supplies have been transferred to the "satisfactory" class, but the records of the department show too many still in the "doubtful" column. Some cities, though they have high-priced equipment, receive an unsatisfactory quality of water through under-treatment or lack of constant, efficient supervision.

Field inspections in conjunction with laboratory examinations have shown the supplies of the following cities to be periodically of unsatisfactory quality:

Corydon, Ferdinand, Hammond, Huntingburg, Lanesville, Leavenworth, Mitchell, Oakland City, Owensville, Royal Center, Salem, West Lebanon and Jasonville. Some cities supply water which can not be termed potable at any time and make no pretense of supplying water fit for drinking purposes, namely, Batesville, Hazelton, Hobart, Marengo, Petersburg, Winamac, Syracuse, Vernon and Vevay.

The primary purpose of the Water and Sewage Department is the protection and advancement of health. The department can render no more valuable service than the collection and submission of accurate information to the citizens of municipalities and communities relating to water and sewage systems, thus enabling them to demand and obtain satisfactory operation and supervision of their local plants.

Safe water supplies and efficient sewerage systems and sewage disposal plants are most valuable assets to any city. Many manufacturers refuse to locate their plants in any city until these matters have been investigated and found satisfactory.

^{*} Resigned.

⁴⁰⁻¹⁹⁹³⁰

Court decisions have been handed down whereby responsibility for the delivery of unsafe water is definitely fixed. The municipality or operator is liable for any sickness or death traceable to the quality of water delivered. The department is ready at all times to lend its assistance to the improvement of water supplies and unsanitary conditions arising from lack of or improper sewage systems.

SEWAGE DISPOSAL PLANTS

In the near future many Indiana cities and towns which are now discharging their sewage into rivers, lakes or small streams will be confronted with the problem of sewage purification. With population increasing in cities and with the resulting changes of denser population in rural districts, the lakes and streams are becoming heavily polluted, not only destroying lake and stream life but endangering health. Already much interest has been manifested in sewage purification. Indianapolis has such a plant under construction. Lebanon has completed a modern sewage disposal plant which will soon be in operation. The pollution of Lake Michigan has become a great hazard to the health of the citizens of the cities which take their water supplies from the lake, and presents a most difficult problem. Sanitary surveys on sewage pollution have been made during the year at Goshen, Decatur, Fairmount, North Manchester, Lake Maxinkuckee, Oldenburg, Mooresville, Liberty, Bloomfield and Greenfield.

LABORATORY WORK

The volume of sanitary analysis of water has rapidly increased. Examinations have been made of every public water supply in the state. All bottled, commercial waters, soft drinks and ice supplies have been examined as required by the water analysis act of 1919, chapter 166.

The director of the Water and Sewage Department is, by appointment, collaborating chemist of the U. S. Public Health Service. By virtue of this appointment jurisdiction is obtained over water supplies of all interstate carriers. The work of inspection and examination of these supplies has been carried on as in previous years. Three thousand two hundred ninety-four samples were examined in the laboratory during the year. Bacteriological analyses were made on 1,652 samples and chemical and bacteriological analyses on 1,642 samples.

The tabulations below show the distribution of these samples as to source and quality:

Table No. 1

Total Samples Analyzed

	Deep Wells	Shal- low Wells	Cis- terns	Springs	Ponds and Lakes	Streams	Miscel- laneous	Ice	Com'l and Bottled Waters	Tota
GoodBad	764 351 1,115	147 431 578	21 29 50	42 60 102	78 64 142	395 168 563	90 20 110	161 40 201	375 58 433	$ \begin{array}{r} 2,073 \\ 1,221 \\ \hline 3,294 \end{array} $

Table No. 2

Total Chemical Samples Analyzed

	Deep Wells	Shal- low Wells	Cis- terns	Springs	Ponds and Lakes	Streams	Miscel- laneous	Ice	Com'l and Bottled Waters	Total
GoodBad	530 279 809	84 384 468	$ \begin{array}{c c} 20 \\ 22 \\ -42 \end{array} $	22 47 69	$\frac{17}{30}$	21 27 48	78 5 83	56 7 63	11 2 13	839 803 1,642

Table No. 3

Total Bacteriological Samples Analyzeā

	Deep Wells	Shal- low Wells	Cis- terns	Springs	Ponds and Lakes	Streams	Miscel- laneous	Ice	Com'l and Bottled Waters	Total
Good Bad	234 72 306	63 47 110	1 7 8	20 13 33	61 34 95	374 141 515	12 15 27	105 33 138	364 56 420	1,234 418 1,652

TABLE No. 4

Total Private Supplies Examined

	Deep Wells	Shal- low Wells	Cis- terns	Springs	Ponds and Lakes	Streams	Miscel- laneous	Ice	Com'l and Bottled Waters	Total
Good Bad	394 281 675	88 409 497	21 29 50	24 · 45 69	11 23 34	39 16 55	90 20 110	161 40 201	.375 58 433	1,203 921 2,124

TABLE No. 5

Total Public Supplies Examined

	Deep Wells	Shal- low Wells	Cis- terns	Springs	Ponds and Lakes	Streams	Miscel- laneous	Ice ·	Com'l and Bottled Waters	Total
GoodBad	370 70 440	59 22 81		18 15 33	67 41 108	356 152 508				870 300 1,170

Table No. 6

Quality of Supplies Expressed in Percent

a	Private	Public Supplies			Per Ce	ent Bad	Per Cent Doubtful		
Source	Source Supplies		Private	Public	Private	Public	Private	Public	
Deep Wells Shallow Wells Cisterns. Springs Ponds and Lakes Streams Miscellaneous Ice	675 497 50 69 34 55 110 201 433	440 81 33 108 508	58.37 17.70 42.00 34.78 32.35 70.90 82.82 80.10 86.61	84.10 72.84 54.55 62.04 70.08	41.63 82.30 58.00 65.22 67.65 29.10 17.18 19.90 13.39	15.90 27.16 45.45 37.96 29.92			

^{*}Commercial and Bottled Waters.

FIELD SURVEYS

The field surveys made during the year were carried on by the department under the conviction that it was rendering an invaluable service to all concerned in the operation of water supplies and to the public at large. Knowledge gained through field surveys and inspections of water supplies, sewage nuisances and stream pollution has done much in bringing about better sanitation and more healthful conditions in the towns and cities of the state. Co-operation has been freely given at all times by operators and superintendents of water supplies, city officials and local health officers, which has greatly facilitated the work of the department.

The following is a summary of the reports of field surveys made during the year:

Goshen—A sanitary survey of the sewerage conditions at Goshen showed a serious pollution of the Elkhart River and Rock Run, which flows into Elkhart River. Recommendations were made for a trunk sewer, as outlined by city officials, which would greatly improve the

conditions and would safeguard the city water supply.

Decatur—At the request of the Department of Conservation assistance was given by the Water and Sewage Department in making an investigation of the waste matter discharged from the Holland, St. Louis Sugar Company at Decatur. The waste matter carries a large quantity of suspended mineral matter and organic matter which flowed into a pond which overflowed into St. Mary's River, with resulting disastrous effects upon the fish life. Consulting engineers have been retained by the company and experimental work carried on. It was advised that the company follow out the recommendations of their engineers.

Fairmount—An investigation was made of the waste disposal for the T. A. Snider Preserve Company at Fairmount. This plant discharges its waste consisting of inferior tomatoes, peels and seeds direct into Back Creek, which flows through Fairmount and Jonesboro. The decomposition of the waste matter creates a gross nuisance. The company has prepared a plan to care for their waste and it was recommended that their plan be developed.

Logansport—An inspection was made of the Logansport water supply. It was noted that new chlorination equipment had been installed. Other equipment was recommended as an aid to efficient operation.

North Manchester.—A survey was made of the sewerage system of North Manchester. It was recommended that a competent consulting engineering firm be employed to design and prepare plans for future construction.

Mitchell—An inspection made of the Mitchell water supply and recommendation made that the filtered water be chlorinated.

Seymour—The Seymour water supply was visited and a new sedimentation basin inspected. This will lower the cost of chemicals used materially.

Laporte—On a survey of the Laporte water supply recommendations were made that water rights be obtained in the vicinity of the wells which form the present source of supply.

Michigan City—An inspection made of the water plant at Michigan City. This plant pumps Lake Michigan water, chlorinated, to the town. It was recommended that this water be filtered.

Anderson—A survey was made of the Anderson water supply which is taken from the White River and filtered. It was recommended that better coagulation be obtained, water must be chlorinated at all times, and that careful laboratory control be kept on the water.

Alexandria—On inspection of the Alexandria water it was found that the wells which are the source of the supply were not properly capped and were open to surface water contamination. It was recommended that the source of supply be gone over by a competent engineer and the leaking suctions and uncapped wells be repaired so that any chance of an epidemic be warded off.

Hammond—The Hammond water supply was visited and irregularities in the service and treatment of the raw lake water noted. Hammond, with its foreign population and many industries should be doubly careful of its supply. It was recommended that the co-operation of the other cities adjacent be obtained and a plan worked out whereby Hammond could obtain an unpolluted supply.

Greenwood—An inspection was made of the Greenwood supply which was taken from two dug wells or, in emergency from an open reservoir. It was found that while the chlorinator was being repaired that operators were treating with calcium chloride instead of hypochlorite of lime. It was recommended emphatically that greater attention be given to careful operation and that the public be kept informed of conditions.

Aurora—An inspection of the Aurora water supply showed a satisfactory purification of the water delivered to the public.

Huntingburg—An investigation of the Huntingburg public water supply showed the water, drawn from two lakes where water is impounded, to be unsatisfactory for drinking purposes. Recommendations were made that water be purified by filtration and chlorination and that proper precautions be taken to safeguard the watershed from pollution. The water can not be recommended for use on interstate carriers.

Vincennes—A visit was paid the Vincennes Water Plant. Water is taken from the Wabash River, filtered and chlorinated. Recommendations were made that a laboratory be installed that more adequate control might be kept on the water delivered to the public.

Princeton—The Princeton supply is taken from the Patoka River and filtered. Recommendations were made for a more adequate control over the water delivered. Concrete baffles were to have been installed to replace wooden ones torn out by ice.

West Baden and French Lick—An investigation of the West Baden and French Lick water supply showed defects in the chlorinator and recommendations were made for its repair at once.

Paoli—The Paoli water supply is taken from a small stream, filtered and chlorinated. Recommendation was made for a more efficient operation of the chlorinated lime treatment.

Bloomington—Bloomington receives its water from artificial lakes. The water is settled and treated with chlorinated lime. It was recom-

mended that Bloomington install a chlorinator to feed chlorine into the water. Due to the inadequacy of the water supply investigations have been made by engineers employed by the city to seek other sources of supply and to construct a filter plant.

Martinsville—Two dug wells furnish the supply for Martinsville. Recommendations were made to clean up the grounds in vicinity of these wells.

Montpelier—A survey of the Montpelier water plant showed it to be in good condition and delivering a safe water.

Lewisville—The Lewisville water supply has as its source two artesian wells, which flow into two reservoirs from which it is pumped to town. Recommendation was made that the floor over the wells be replaced by concrete.

Kokomo—The well supply of Kokomo was examined and showed a satisfactory water delivered to the city.

Lebanon—The water supply at Lebanon is taken from wells. It was recommended that more efficient operation be maintained.

Oakland City—Oakland City receives its water from a lake having a drainage area of about eighty acres. This water is polluted and it was found that the hypochlorite plant was not being operated. It was emphatically recommended that this plant be placed in service and kept in service.

Corydon—Corydon gets its water from a large spring located on Indian Creek. It was found that the chlorination equipment was not operating as the superintendent did not have the inclination. A change of force was made and instructions given for correct operation of chlorinator.

Lake Maxinkuckee—At the request of the superintendent of Culver Military Academy a sanitary survey was made of Lake Maxinkuckee to determine the effects of the natural and artificial drainage on the water in the lake. As this survey was carried on in March it was thought that probably the worst conditions of the year were not found. At this time however it was found that the lake was not seriously contaminated. It was recommended that a few changes be made in drainage near the academy. In July a detailed survey was made of Lake Maxinkuckee and series of samples taken periodically from twenty points, namely, at the outlets to drains, fifty yards from shore, two hundred yards from shore and mid lake. The laboratory work was performed on the ground using the equipment of the Culver Academy. It was found that no serious contamination existed, but that the sewers from the town of Culver needed special attention. The lake at all points fifty yards from shore showed a satisfactory water for bathing.

Oldenburg—At the request of the secretary of the board of health of Oldenburg a sanitary survey was made of the sewage disposal plant of the hotel at Oldenburg. Recommendations were made to carry the overflow to the cesspool into a city drain at such times only as was necessary. It was also suggested that the necessary steps be taken to procure sewers for the town.

North Judson—A conference was held with the town board, the water board and a number of citizens of North Judson with reference to the installation of a public water supply. It was recommended that the supply be taken from wells.

Waveland—A sanitary survey of a driven well located in Waveland and furnishing water to the Central Indiana Railroad was not favorable.

Monroeville—At the request of the town board of Monroeville a preliminary sanitary survey was made in reference to an installation of a sewerage system. It was recommended that a qualified engineering firm be employed to investigate conditions and render plans and specifications.

Milan—An inspection of the Miwagco mineral water and the water supply of the Sanatorium Company was made and several recommendations offered in regard to replacing old equipment with modern devices.

Liberty—A sanitary survey was made of the sewage treatment plant for the Liberty Creamery and nine residences. Recommendations were made for constructing a settling tank large enough and for working over the old filters.

Bluffton—A conference was held with the city officials of Bluffton in reference to improvements of the public water supply. The plan of piping each well with a cast iron pipe line to a reinforced concrete receiving and storage reservoir was recommended.

Mooresville—Mooresville receives its supply from a dug well constructed on the bank of White Lick Creek. Recommendation was made for protecting the storage reservoir from contamination.

Huntington—At the request of the superintendent of schools at Huntington an inspection was made with reference to waste disposal of the State Street School and surrounding community. It was recommended that a sewer be laid on State Street. An inspection was also made of the Huntington Water Works, which takes its supply from wells located on the opposite side of the Wabash River. It was suggested that contamination might occur during high water conditions. It was thought advisable to make another inspection during the period of such conditions.

North Vernon—At the time of the inspection North Vernon was taking its supply from the Muskatatuck River without filtration or treatment. A consulting engineer was retained by the city officials but certain objections were made by several of the citizens. It was recommended that the supply be purified by the construction of a settling tank equipped to treat the water with coagulant and disinfectant chemical or by other methods equally as good.

Bloomfield—At the request of the town attorney an inspection was made concerning improvements to be made in the interest of better sanitation. It was recommended that a consulting engineer be employed to investigate the sewer system already installed and advise changes to improve the sanitary conditions.

"Kingsbury—Upon a complaint of the officials of the Kingsbury Light and Power Company an investigation was made of the company's mill

pond, which received the drainage of the Hunding Dairy Company's plant. It was recommended that no milk be dumped into the drain to the pond and that wash and rinse water be held to a minimum.

Fort Branch—At the direction of the secretary of the State Board of Health the problem of the drainage of a proposed school building was investigated. It was found that a compromise would be necessary between the Fort Branch Sewage Company and the advisory board of the township in order that the nuisance created by the sewage from the school flowing into a ditch which passes through the town might be removed.

Bloomfield—At the request of the Public Service Commission the Bloomfield water supply was visited. This supply is taken from four deep wells but the officials have become alarmed at the yield from this source as two of the wells have only an intermittent flow. Upon investigation it was found that the local ice plant was pumping a large excess over the water used in making ice and it was contemplated taking over this surplus to help the city supply. It was recommended that the possible contamination of the well from the surface be eliminated and the tanks properly covered.

Greenfield—An inspection was made of the Greenfield water supply, which takes the water from eight wells of 240 to 285 feet in depth. As the equipment was found to be old, no insurance carried on boilers and as the city operates its own electric plant, it was suggested that an engineer be employed to make a report on the situation, as it was thought operating costs could be lowered materially by eliminating the extra coal, haul, etc.

Greenfield—At the request of the Greenfield Civic League a survey was made of the Brandywine Creek flowing through the proposed site for the Riley Memorial Park. During the course of investigation several sources of gross pollution were found above the proposed site. It was recommended these be eliminated and proper methods of disposal be adopted at the Hancock Fertilizer Plant if plant was to operate.

Lafayette—An inspection was made of the Lafayette water plant and recommendations made that city officials investigate the dumping situation close to the wells and have the nuisance discontinued.

Lebanon—A visit was paid the new Lebanon sewage disposal plant. The mechanical construction of the plant was very satisfactory. As yet the plant has not been placed in operation.

In addition to the inspections already mentioned surveys and laboratory analyses made of the water supplies at Brazil, Washington, Valparaiso, Columbus, Richmond, Lawrenceburg, Greensburg, Converse, Terre Haute, New Albany, Whiting, East Chicago, Wabash, Frankfort, Marion and Anderson indicated a satisfactory water for use for drinking purposes on passenger trains engaged in interstate traffic. Surveys and analyses made of water from private railroad wells showed the wells at Monon and Effner to be satisfactory, and at Hagerstown to be unsatisfactory.

REPORT OF THE DEPARTMENT OF OIL INSPECTION

I. L. MILLER, State Food and Drug Commissioner, Supervisor. EDWARD F. WARFEL, Chief Clerk.

INSPECTORS

Anderson, Cary E., 1830 N. 13th St., Terre Haute.

Ankrom, Mike, Portland.

Bartlett, J. D., Lafayette.

Batty, Raymond H., 917 Tibbs Ave., Indianapolis.

Bowen, Forest J., Peru.

Braxtan, Samuel H., Paoli.

Briening, W. A., Delphi.

Chapman, Roy K., 44 Washington Ave., Evansville.

Edwards, Clarence E., Connersville, R. R. 5.

*Heberer, Arthur C., 1034 Upper First St., Evansville.

Jarrett, J. Everett, 2323 N. Arsenal Ave., Indianapolis.

Jones, John A., Marion.

Malott, Claude G., Bloomington.

Marlar, Everett, Box 573, South Bend.

Mason, B. F., St. Paul.

Matthews, Homer L., North Vernon.

McCarty, E. A., 149 State House, Indianapolis.

Millican, Walter N., New Albany.

Patton, Edward, Veedersburg.

Rasor, Aaron A., Warsaw.

Reat, Arthur L., Greencastle

†Riggs, A. L., Rushville.

Ritchie, Fred L., Rochester.

Ritter, Frank C., Newcastle.

Spaulding, Frank B., Sharpsville.

Summers, William W., Alexandria.

‡Stout, Lester, Laporte.

Taylor, John H., Richmond.

Wagner, Herman R., Vincennes.

Weaver, Theron P., 448 E. Leith St., Ft. Wayne.

Whyte, Ray, Auburn.

Under the law this department is charged with the inspection of petroleum products, for which a fee is collected and turned into the state treasury. Kerosene is tested by means of the Foster automatic cup and gasoline, naphtha and similar petroleum products are branded as provided by law.

The inspection law carries an appropriation of \$500 to the food and drug commissioner, and allows him an additional \$3,600 for clerical

^{*}Resigned July 1, 1921.

[†]Resigned September 1, 1921.

[‡]Resigned January 1, 1921.

assistance in administering the law. Of this amount \$3,000 was paid to Edward F. Warfel, chief clerk and accountant, who is in executive direction of the work, and an additional \$300 was spent for clerical help, leaving \$300 to revert to the treasury. Inspectors are paid \$125 per month and necessary traveling expenses, while actually employed in the work.

Office expenses for the year totaled \$428.01, making a total administrative expense of \$4,228.01.

The following tables indicate the work done by the inspectors during the fiscal year:

RECEIPTS

Монтн	Barrels Kerosene Inspected	Barrels Gasoline Inspected	Fees Collected
October, 1920 November, 1920 December, 1920 December, 1920 January, 1921 February, 1921 March, 1921 April, 1921 May, 1921 July, 1921 June, 1921 July, 1921 July, 1921 September, 1921 September, 1921	$70,102 \\ 72,150$	164,124 220,009 191,924 161,366 127,045 218,377 252,705 259,672 326,294 313,915 349,769 337,402	\$13,038 28 11,382 15 10,895 60 9,416 07 6,921 15 11,665 72 13,371 86 13,818 97 16,001 77 15,104 58 16,557 48 18,935 99
Totals	896,436	3,022,602	\$157,109 62

EXPENDITURES

Монтн	Salaries	Expenses
October, 1920. November, 1920. December, 1920 January, 1921 February, 1921 March, 1921. April, 1921 May, 1921 June, 1921 July, 1921 August, 1921 September, 1921 Totals	\$3,625 00 3,720 83 3,750 00 3,625 00 3,525 00 3,525 00 3,625 00	\$2,459 7 1,841 7 1,849 1 1,662 6 1,222 8 2,160 3 2,229 1 2,333 5 2,610 8 2,523 0 2,855 0 2,674 9 \$24,582 9 43,658 0
Administrative salaries. Office expenses.		\$68,241 (3,800 (428 (\$72,469 (
Total receipts Total expenses		\$157,109 6 72,469 6
Net to State		\$84,640

REPORT OF LABORATORY OF HYGIENE, OCTOBER 1, 1920, TO SEPTEMBER 30, 1921

DIVISION OF BACTERIOLOGY AND PATHOLOGY

PERSONNEL

WILL SHIMER, A. B., M. D., Superintendent. HERVEY M. HOOKER, Clerk and Stenographer. J. P. NICODEMUS, M. D., Assistant Pathologist. EDITH DAILEY, H. B., Serologist. MARION MILTON, Scientific Assistant. EULA CLAPP, Technical Assistant. HARRIET SMITH, Janitress.

The building laboratory is located at $45\frac{1}{2}$ N. Capitol Avenue and consists of eight rooms.

Maintenance Fund—\$12,000 per year.

Purpose—Pathological, bacteriological, and serological specimens are examined to assist physicians in diagnosing transmissible diseases and preventing the spread of these diseases from the sick to the well.

Fees-No fees of any kind are charged for work done.

Outfits for sending specimens to the laboratory can be obtained free of charge from the laboratory and county or city health officers.

EXAMINATION OF SPUTUM FOR TUBERCULOSIS

It has been found that if a person has symptoms of pulmonary tuberculosis it is sometimes necessary to examine the sputum several times before tubercle bacilli are found. This is due to the comparative scarcity of tubercle bacilli in the early stage of pulmonary tuberculosis. Antiformin, whose chief ingredients are sodium hydroxide and nascient chlorine digest the mucus and the other constituents of sputum without destroying tubercle bacilli. Tubercle bacilli have a much higher specific gravity than sputum, so if a specimen of sputum is digested with antiformin the tubercle bacilli will be precipitated to the bottom of the centrifuge tube, forming a very thin layer on the bottom of the tube. This precipitate is smeared on a slide and stained in the usual way for tubercle bacilli. This method gives 10% more positives than the direct smear method.

Many sputums are examined for tuberculosis hospitals and dispensaries as well as private physicians. Many specimens from former soldiers are sent in by the veterans' bureau. We co-operate with the departments of tuberculosis, State Board of Health and state tuberculosis societies. This means many new cases of tuberculosis are diagnosed.

DIPHTHERIA

Diphtheria bacilli in many cases are scarce in the throats of persons suffering from the disease. When swabs from these throats are cultured

on Loefflers blood serum other mouth bacteria overgrow them and the diphtheria bacilli are not found. We have found that a small amount of potassium tellunate added to Loefflers blood serum will inhibit the growth of other bacteria but will not affect diphtheria bacilli. This potassium tellunate blood serum makes the examination of diphtheria cultures much more accurate and rapid than plain blood serum. There are many bacilli in the mouth that resemble diphtheria bacilli. These are not virulent and unnecessary inconvenience is caused persons harboring such organisms if quarantined and nothing done to help the prevention of diphtheria. Many granular stains have been used as differentials but all are more or less inaccurate and subject to many variations. Kinyoun some years ago devised a simple polar body stain which we have adopted.

Many times diphtheria appears among school children and little is done to prevent an epidemic until some child dies, then school is closed for a couple of weeks, the children allowed to mingle at all sorts of places. At the end of two weeks schools are open again but soon close on account of new cases. This often goes on until all susceptible children are attacked and the epidemic stops on account of lack of victims.

We furnish outfits of fifty culture tubes each for school inspection and advise its use when a case of diphtheria appears in a school room. Schools using this method don't have to close school more than two or three days.

GONOCOCCI

Pus slides to be examined for gonococci continue to come in large numbers. One of the chief difficulties in the past has been to get an easy and accurate stain. This has now been accomplished. We have a simple gram stain that is accurate and simple. Our difficulty now is to get a satisfactory smear from female patient. Pus examinations are made not only for diagnosis but also to determine when persons suffering from gonorrhea are free from infection.

WASSERMANN TEST

The number of bloods to be given Wassermann test for syphilis average about 2,000 specimens per month. The source of specimens are changing all the time. At first the State Venereal Clinics furnished the majority of specimens, later private physicians sent in increasing numbers and now the state institutions are using the laboratory more and more every day. All of the insane hospitals are making Wassermann surveys of old patients and tests of all new patients.

There is still some doubt in the minds of some doctors about the dependability of the Wassermann test for diagnosis. The variability of the test is probably due the following causes:

- 1. Wassermann test is not absolutely specific, because—
 - (a) It may give negative result in cases of syphilis.
 - (b) It may give positive result in cases non-syphilitic.

- 2. Different antigens do not give same result on some blood because they are not equally sensitive.
- 3. Human and sheep red blood cells used in different systems each has its advantages and disadvantages.
- 4. Five different organic ingredients are used in the test; each of these may vary from day to day in their potency.
- 5. Human fallibility, that is the tendency of ordinary human beings to make mistakes.

To minimize errors due to above named causes.

- 1. We have adopted the acetone insoluble antigen, which makes the fewest negative and positive errors in the diagnosis of syphilis.
- 2. We have adopted the standard technic recommended by the hygienic laboratory of the U. S. Public Health Service; technic has been adopted by most state laboratories.
- 3. We test all our reagents every day and use a number of both positive and negative sera as controls.
- 4. Our technic and apparatus is so arranged that an error in the transfer of specimens or reagents is immediately evident to the operator.

However, in spite of all these precautions, a few mistakes are made. We are anxious to have these errors called to our attention. A thorough investigation of an erroneous result may make it possible to eliminate this source of error if it is constant.

One single test should not be used as the basis of a diagnosis but the average results of three or four tests.

Outfits furnished by the laboratory must be used. Read instructions enclosed in the outfits and especially the explanation of the test found on the Wassermann report.

RABIES

The decrease in the number of cases of rabies in Indiana since the hydrophobia law of 1911 is very gratifying. Most cases of rabies among dogs seem to be imported from bordering states. Our own county quarantine system seems to work efficiently, except in those localities where it does not have the support of public opinion. A second epidemic of rabies in a county nearly always brings public opinion around in favor of restrictive measures.

The present provisions for giving anti-rabic treatment seems to be satisfactory. Persons bitten must present a certificate from local health officer that they were bitten by rabid dog and from township trustee that they are unable to pay for treatment. Such persons are treated free of charge, board and room and transportation both ways paid. All persons are treated at the State Pasteur Institution, $45\frac{1}{2}$ N. Capitol Avenue, Indianapolis, Ind.

SPECIMENS EXAMINED

Sputum for tubercle bacilli	. 12,478
Throat cultures for diphtheria bacilli	11.167
Blood for evidence of typhoid	
Blood for evidence of syphilis	
Pus for evidence of gonococci	5,651
Brains for evidence of rabies	. 90
Pathological specimens for evidence of malignancy	. 346
Miscellaneous specimens	. 640
	51,665
Blood serum made up	12 000
Set all made up	. 12,000
Outfits made up and sent out	64,299
	-
	76,299
	, 0,200

PASTEUR INSTITUTE

WILL SHIMER, A. B., M. D., Director. J. P. NICODEMUS, Physician. EULA CLAPP, Attendant.

PATIENTS TREATED

R. A. Miller							
R. A. Miller	Name	Town	County	Sex	Age		
	Isaae Clark R. A. Miller Vannie Pitman. Charles Robins. Helen Prose John Love. Minnie Love. Paul Prose Charles Prose Charles Prose Charles Prose Charles Rhea Raymond Stova Woodrow Wilson John Lucas. Gracie Lucas. Kathrine Jones. Joseph Murray George W. Tyson Charles Scott Albert H. Smith. Russell W. Curtis Mary McDonald James McDonald James McDonald Edward Chenault Orville G. Wray. Claude Grow Lillian Yeskie Flenice Lewis Charles Greenwell Mrs. Robert Simms Robert W. Jones John W. McClure Fred Mayhew William D. McCabe Nellie Binkley	Terre Haute Indianapolis Bloomington Sullivan Terre Haute Indianapolis Greensburg Bicknell Indianapolis Greensburg Bedford	Vigo Marion Monroe Sullivan Vigo Vigo Vigo Vigo Vigo Vigo Vigo Vigo	MMFMFMFMMMMFFMMMMFFMMMMFFMMMMFFMMMMFFFMMMM	14 32 11 2 9 73 73 75 75 13 15 9 11 18 8 30 9 17 39 24 43 44 7 7 11 11 11 11 11 11 11 11	Began Oct. 10, 1920 Oct. 24, 1920 Oct. 24, 1920 Oct. 17, 1920 Oct. 27, 1920 Oct. 28, 1920 Oct. 23, 1920 Oct. 30, 1920 Dcc. 20, 1920 Dec. 20, 1920 Dec. 20, 1920 Dec. 20, 1920 Jan. 1, 1921 Feb. 2, 1921 Mar, 31, 1921 Apr. 15, 1921 Apr. 15, 1921 Apr. 15, 1921 May 27, 1921 July 6, 1921 July 6, 1921 July 16, 1921 July 16, 1921 July 22, 1921 Aug. 30, 1921	Finished Oct. 27, 1920 Oct. 31, 1920 Nov. 3, 1920 Nov. 5, 1920 Nov. 9, 1920 Nov. 16, 1920 Jan. 6, 1921 Jan. 6, 1921 Jan. 6, 1921 Jan. 7, 1921 Apr. 17, 1921 Apr. 17, 1921 Apr. 17, 1921 Apr. 28, 1921 June 13, 1921 June 14, 1921 June 14, 1921 June 14, 1921 Agr. 49, 27, 1921 Aug. 4, 1921 Aug. 4, 1921 Aug. 9, 1921 Aug. 9, 1921 Aug. 9, 1921 Aug. 4, 1921 Sept. 16, 1921

BUREAU OF VENEREAL DISEASES

W. F. KING, M. D., Assistant Secretary State Board of Health, Director of the Bureau.

J. G. ROYSE, M. D., Assistant Director.

LEO J. RAIL, Chief Investigator.

DORIS LOPER, Stenographer.

ALBERT ALEXANDER, Mailing Clerk.

The work of the bureau has been continued along the lines adopted in the beginning of the campaign against the venereal diseases, namely, education, treatment, repression and law enforcement.

EDUCATION

The great fundamental task of social hygiene today is education. Not until the public generally know the real facts concerning the venereal disease menace and the social conditions under which this menace thrives, will there be developed a public conscience and public intelligence that will effectively protest against every custom or condition that favors a continuance of venereal infection. Not until medical and social teachers and leaders fully comprehend the tremendous part the venereal diseases are playing as a causative factor in delinquency and crime and in physical and mental inefficiency and disintegration, will there be lasting progress in diminishing the prevalence of these anti-social infections.

The educational work of the bureau is directed toward bringing these facts home to the entire citizenship of Indiana. To this end, special emphasis is placed upon educational work with teachers as a group, with ministers, labor unions, farmers' organizations, women's clubs, organizations of business men, fraternal orders, parent-teacher associations, Y. M. C. A., professional groups and civic organizations generally. This educational work is carried on by means of exhibits, motion picture films, lectures, educational pamphlets, newspaper publicity and personal correspondence. Especially prepared circular letters with enclosures of educational pamphlets have been sent to members of most organizations. During the past year approximately 5,000 traveling men of the state, all of the dentists, physicians and most public officials were reached in this way. Other organizations have been reached by letters to the officers of the organizations, enclosing copies of papers or talks to be read at meetings of these organizations. Included in the latter class were the teachers' institutes, various women's clubs belonging to the state federation and the farmers' institutes of the state. The agricultural extension bureau of Purdue University co-operated splendidly in the educational work of farmers' institutes by having their lecturers read a paper prepared by this bureau at each farmer's institute meeting. mated that this one series of lectures reached between forty and fifty thousand farmers of the state. At the present time, meetings of county medical societies to be devoted to a discussion of the venereal diseases, are being arranged and it is planned to carry on this phase of the work until every county and district medical society in the state has been reached. At these medical society meetings moving picture films showing the pathology, diagnosis and treatment of syphilis and gonorrhea are shown. A talk is also given, outlining the plan of venereal disease control, with a general discussion of the entire subject in its clinical, medical, social and legal phases. The bureau from time to time has issued and will continue to issue, a bulletin to those who are particularly interested in the work, setting forth the progress of the work, not only in Indiana but throughout the United States and reporting briefly such items of medical and administrative nature as may be of interest.

Special educational campaigns have been carried out in a number of cities and communities of the state with local social and civic societies of the community taking the lead. In the city of Indianapolis more than forty different organizations were represented in a general committee having in charge the educational effort. For two weeks, February 5-19, exhibits, moving picture film showings and lectures were going on simultaneously in four places in the city. Educational pamphlets were distributed and additional lectures given in churches, factories, clubs, and before various organizations. It was a physical impossibility to secure complete reports covering all of this work, but several hundred lectures and film showings were given with many thousand in attendance. Similar campaigns were conducted at Richmond, South Bend, Goshen and Evansville.

In addition to the educational work mentioned, general educational work in the way of lectures, films, exhibits, has been carried out wherever opportunity presented throughout the state. The figures given below aim to show a summary of lectures, exhibitions, etc., under the direct supervision of the personnel of the bureau, but these constitute only a part of the educational work as carried out by others under the stimulus of the bureau. Many lectures have been given by physicians, educators, social workers and others where it has been impossible to secure even an estimate of the number in attendance. Keeping fit exhibits sent out from the bureau have been shown in high schools, at Y. M. C. A.'s, where the number viewing and studying the exhibits can only be estimated. It will be fair to say that the attendance at lectures, film showings and exhibits has been at least double that shown by the report below.

A summary of the educational work for the year under the direct supervision of the bureau personnel is as follows:

Number of lectures given	292
Attendance	
Number of moving picture film showings	169
Attendance	27,110
Number of pamphlets distributed (upon request)	62,126
Keeping fit exhibits	95
Attendance, impossible to estimate.	

TREATMENT

There has been no increase in the number of venereal disease clinics maintained by the bureau in co-operation with local health departments. The principal effort along this line has been directed toward securing the active and intelligent co-operation of physicians everywhere,

and to establishing treatment centers in the various larger communities of the state under the supervision of competent medical men in order that prompt and efficient treatment might be brought within the reach of all. A brief summary of the work done in the clinics heretofore established is submitted:

NUMBER OF CLINICS, WHOLE TIME, 10

Indianapolis (3), City Dispensary, City Hospital, Marion County Jail.
Terre Haute, City Building.
Evansville, County Court House.
Anderson, City Hall.
Muncie, 207 North High Street.
Fort Wayne, 202½ West Berry Street.
South Bend, 312 South Lafayette Boulevard.
Hammond, First National Bank Building.

NUMBER OF CLINICS, PART TIME, 8

Kokomo, 107½ Union Street.
Columbus, Crump-Lucas Building.
Madison, Corner Main and West Streets.
Marion, Queen City Building.
Michigan City, County and City Building.
Richmond, Easthaven Hospital.
Brazil, 10 East Jackson Street.

INSTITUTIONAL CLINICS, 2

Indiana Reformatory, Jeffersonville. Indiana State Farm, Putnamville.

Number of cases venereal disease reported to the State Board of Health 5,599
Number of new cases admitted to clinic for treatment
Number discharged as cured or non-infectious
Number of treatments administered in clinics
Number of arsphenamine treatments given in clinics
Number of cases placed in detention and hospitalized
Number of laboratory examinations
Number of dark fields in clinics
Number of clinicians employed full time
Number of clinicians employed part time
Number of nurses employed full time
Number of nurses employed part time
Number of social service workers 5
Number of investigators

REPRESSION

A system of investigation and follow-up work has been developed under the supervision of the chief investigator of the bureau, which makes it possible to trace out sources of infection and to keep infected cases under the supervision of health officers whether within or without the state until such cases are rendered non-infectious and no longer a menace to the public health. A brief summary of this work follows:

Number	of	cases	investigated							 	7,608
Number	of	visits	made							 	2,821
Number	of	cases	quarantined							 	238
Number	\mathbf{of}	cases	transferred	to	health	officers	within	the	state	 	548
Number	of	cases	transferred	to	health	officers	outside	the	state	 	248

LAW ENFORCEMENT

Prosecutions have been brought in sixty cases where persons having a venereal disease in an infectious state so that the infection was a menace to the public, have neglected or refused to follow the instructions of clinic directors and local health officers. Every such prosecution has been brought for violation of the orders of health officials and not upon any criminal ground or under any criminal statute. The courts of the state have fully supported the health laws, ordinances, rules and regulations involved in all these cases.

It is gratifying to note that the status of the venereal diseases as being the same as that of any other communicable disease dangerous to public health, has been definitely established in Indiana. It is also gratifying to note that the great majority of local officials, mayors, chiefs of police, health officers and judges are interested in the prevention of the venereal diseases and are giving splendid co-operation in the enforcement of all health laws, rules, regulations, having to do with the control of The elimination of the venereal diseases is rapidly these infections. assuming its rightful place in public health work in the State of Indiana, and instead of being considered a separate line of endeavor requiring specific appropriations from city councils and from boards of county commissioners, is being included in the regular public health budget as a part of the routine and fundamental work of local health departments. The results accomplished thus far have been most encouraging, and while it is too early to have accurate statistics available, every indication points to a steady diminution in the number of new cases of venereal infection. and consequently in the possible sources of infection.

REPORT OF THE DIVISION OF INFANT AND CHILD HYGIENE, INDIANA STATE BOARD OF HEALTH

ADA E. SCHWEITZER, M. D., Director

HISTORY

The division of infant and child hygiene of the Indiana State Board of Health was authorized by the 1919 session of the legislature and an appropriation of \$10,000 was made for the work. Lectures were given and literature prepared. By correspondence and by personal conferences interest was aroused, and in May an organized field party began holding health conferences in counties that had organized by townships for the work. As the funds originally appropriated were not sufficient to meet the popular demand, an emergency appropriation of \$5,000 was made by the 1921 legislature to carry the field work through the summer of 1921, and an annual appropriation of \$20,000 for the next two years was granted.

By September 30, 1921, conferences had been held in twenty-seven counties; 7,894 children had been examined, and personal consultations

had been held with parents concerning their care. Lectures were given with or without moving pictures in 290 towns; special demonstrations and rest rooms were conducted by nurses in twenty-four places.

Four hundred seventy-six local, fifty-three state and sixty-three national organizations have participated in the work.

A large number of parents and officials have reported benefits to children resulting from the correction of habits or defects. Conferences are frequently held with officials of state and national organizations.

EXHIBIT

Child Hygiene Car.
Moving Picture Machine and Films.
Obstetric Outfits.
Layette—Complete.
Artificial Feeding Apparatus.
Complete Nursery.
Charts, Panels.
Photographs.
Stereopticon Slides.

The following additions to the exhibit have been made. Set of sixteen hand-made illustrated charts based on statistical studies from 1920 report was prepared in the office. We have purchased six charts on posture and six charts on nutrition.

A second Indiana infant mortality map has been made showing in each county for the last four years the average number of deaths of infants under one year, to every 1,000 births. Each county is colored to show its infant mortality rate.

Two large charts showing division activities with statistics and photographs were made for display at the American Child Hygiene Association meeting at St. Louis.

The film "Mouth Hygiene" has been purchased for the field work.

STAFF FOR THE YEAR

Director—ADA E. SCHWEITZER, M. D.

Secretary—JULIA S. ZANDER.

Field Nurse—M. RUTH McBEE BROWN, R. N. (Resigned May 1, 1921.)

Field Nurse—NANCY L. GIBBS, R. N.—October 1 to November 1, 1920; April 25 to September 30, 1921.

Field Nurse—BERTHA LIPS, R. N.—June 1 to September 30, 1921.

General Assistant—VINCIL BLOWERS—October 1 to December 31, 1920; June 13 to September 30, 1921.

SPECIAL TEMPORARY FIELD ASSISTANTS

Special Lecturer Pediatrics—JAMES C. CARTER, M. D.—May 9, 1921. Special Lecturer Obstetrics—A. M. MENDENHALL, M. D.—May 9, 1921.

Assistant Field Physician-MORT D. PELZ, M. D.-June 20-28, 1921.

Assistant Nurse—EUNICE THOMAS, R. N.—October 1 to November 1, 1920; May 1 to June 1, 1921.

Assistant Nurse—LOTA JOHNSON, R. N.—October 1 to December 15, 1920.

Assistant Nurse-MARIE STROUD, R. N.-One week in November.

Artist and Statistician—ELVA THOMPSON—October 1 to November 1; December 15-31, 1920; May 1 to July 4, 1921.

Psychologist—CHRISTINE CRILEY—December 1, 1920, to June 1, 1921.

Assistant Nurse-GRACE EWING, R. N.-One week in August.

Assistant Field Work—MARIAN HOCHHALTER, Junior Medical Student—August 1 to September 1, 1921.

General Assistant—WILFRED ZANDER—April 1 to June 13, 1921.

ADDITIONAL STAFF AT STATE FAIR BETTER BABY CONTEST SPECIALISTS

Pediatrics—JAMES C. CARTER, M. D.—Chief Examiner. Ear, Nose and Throat—JOHN W. CARMACK, M. D. Eye—BERNARD LARKIN, M. D.

Mental Tests-ELVA THOMPSON.

NURSES

Two Nurses—Fletcher Staff—Selected each day.
Two Nurses—Visiting Nurse Association—Selected each day.
MRS. M. RUTH McBEE BROWN, R. N.—Each day.
MISS M. STEILBERG, R. N.—One day and one-half.
MISS NINA SCHAFER, R. N.—Last three days.

OTHER ASSISTANTS

Two Clerks—Statistical Division of State Board of Health—Three days.

MISS MARIE MUELLER—Each day.

Girls from the State Fair Home Economics School—Each day. Boy Scouts—Each day.

FIELD STAFF WORKED IN THE FOLLOWING PLACES

Newton County
Goshen, Ind.
Otterbein, Ind.
Jay County
Morgan County
North Manchester, Ind.
Putnam County
Thorntown, Ind.
Montgomery County
Purdue University
Fayette County
Huntington County
Cass County

South Bend, Ind.
Winona Lake, Ind.
Noble County
Howe, Ind.
Steuben County
Decatur, Ind.
Madison, Ind.
Laporte County
Indianapolis—State Fair Grounds
Huntertown, Ind.
Lafontaine, Ind.
Fort Wayne, Ind.

Whenever possible, the staff was divided and two projects carried on at the same time. The child hygiene division has given programs and conferences, assisting numerous organizations in Indiana to promote child health projects.

PURPOSE

In all this work, an effort has been made to impress the value of a regular "checking up" on the child's health and habits and the early correction of any hampering defects.

The immediate response has been gratifying, while numerous letters from officials and parents indicate that advice given has been followed with gratifying results.

SUMMARY OF ACTIVITIES OF CHILD HYGIENE DIVISION

During the year ending September 30, 1921, the activities of the child hygiene division have especially emphasized prenatal and infant care and feeding.

Both subjects have been emphasized during all our child health conferences by personal talks with mothers, exhibits, lectures and moving pictures.

In Hendricks County, the county home economics clubs, numbering thirty-five with a membership of 1,400 became responsible for urging all the expectant mothers in each community to consult their physicians throughout pregnancy. A series of talks and demonstrations on prenatal care were given by the director and the nurses.

Many expectant mothers have written to the division for advice and literature. We have been able to reach many with literature through their physicians, through nurses, social workers, women's clubs and friends.

The care and feeding of babies has been taught by lectures, demonstrations, and by personal advice to mothers who brought children to the child health conferences.

It is the hope of the division that all children starting to school for the first time each year may have had both examinations and any needed corrections. This should be done in each community as soon as possible after the spring enumeration is made. No child should be allowed to start to school handicapped. Every opportunity for normal development should be given. The observance of this one plan would greatly lessen the work of the attendance officer and of the school health inspector. Examinations of many school children have been made on request.

The co-operation of physicians, dentists and nurses, of local and national organizations, of schools, churches, county officials and newspapers has been most commendable.

In counties where the preliminary work has been well organized by local committees, the follow-up work has been most effective, each locality emphasizing the kind of follow-up that seems most urgently needed. A brief review of the work by counties is of interest.

NEWTON COUNTY

This county was worked in sections, north, middle and south, corresponding to its geographical and social strata. The county nurse not only foresaw and removed difficulties, but has since been active in seeing

that all instructions as to the care of children were followed and hampering defects removed. Many mothers have been assisted in adapting and preparing feeding schedules; instructions have also been given in the importance of the early formation of correct habits. The improvement in the health of school children under her supervision has been most noticeable. In segregated areas where family intermarriages had occurred, children were often below the average, while in the southern part of the county the greatest progressiveness was shown. Throughout this region there are fine community buildings where recreation facilities are provided.

GOSHEN AND OTTERBEIN

The Goshen Chamber of Commerce and local doctors combined forces to assist in a baby contest, managed by the child hygiene nurses. Over 200 babies were examined. The same nurses conducted a baby contest at Otterbein with the assistance of the local medical society.

JAY COUNTY

After completing a campaign in the outlying townships, the forenoons of the last three days of the campaign were devoted to the examination of all the school children outside of Portland in Wayne Township, giving records to the teachers. Portland pre-school children were examined afternoons. Records were made for the Red Cross and the city nurse. Many individual instances of corrections have been reported.

MORGAN COUNTY

Health conferences in Morgan County were the last ones in 1920. It was found that examination of the rural children in cold weather was likely to be unsatisfactory, largely because of inadequate heating facilities in many places. However, the response was unusual in a few towns and much impetus was given to work of the county nurse among both school and pre-school children.

NORTH MANCHESTER

At the request of the superintendent of schools, the child hygiene staff went to North Manchester in December to examine school children in the town and township. A careful explanation of the nature of the work was made in the local newspapers and parents were asked to cooperate. It was stated that pupils might be excused from examinations on request, but they were urged to avail themselves of this privilege. As a result 659 children were examined in two and one-half days, and great interest was aroused in the work of the new school nurse who followed up these examinations.

PUTNAM COUNTY

The first conference of the spring series was held in Putnam County. The Red Cross secretary and the nurse assisted in nearly all the places. During the final week at Greencastle, the home economics class from

DePauw University assisted and took notes. The local medical society met the child hygiene workers for conference at a luncheon.

THORNTOWN

A week's conference at Thorntown enabled the child hygiene division to "check up" on the work of last year. It was found that the local dentist who does excellent work for children had made many corrections. Children had been fitted with glasses, tonsils and adenoids had been removed. The Red Cross social service worker had planned a well-rounded program for every day and evening. One illustration of the general interest that was shown was the case of a farmer who left his plowing in a remote part of the county and drove to the conference with four young children. Though apparently in the best of health, two children needed correction of minor defects which, if neglected would hinder their progress. The parents were very appreciative.

PURDUE UNIVERSITY

At Purdue University the leaders of the Indiana Boys' and Girls' Clubs decided to make "Health" the dominating feature of the "Roundup" in May, and asked the child hygiene division to demonstrate health projects. A large exhibit was arranged in the reading room of the library, which was attractively decorated. A demonstrator was present there throughout the week. Special demonstrations to the girls on food, clothing, and bathing for children were made on Thursday by division staff, assisted by Miss Mallon.

Physical examinations were given forty volunteers among the girls, and talks to mass meetings given with and without moving pictures. About 1,250 boys and girls from eighty-five counties in the state each took home a better conception of state child health work.

MONTGOMERY COUNTY

This county has an active parent-teacher's association, members of whom with the county nurse visited all the schools in the county weighing and measuring all the children and selecting children for more complete examinations by the child hygiene physician during the health conferences. The local medical society met at a dinner to which committee leaders were invited. A talk on obstetrics and one on baby feeding were given by two specialists. The child hygiene director outlined the plan of work.

FAYETTE COUNTY

The Fayette County nurse is more than that, she is an institution. Many plans for the promotion of child health and happiness have originated with her. She is also a member of the board of children's guardians and the attendance officer. Whenever a child needs help, she finds a way. Her program for a child health conference included not only the examinations of children with the usual talks and demonstrations, but music by local talent and a community song fest before each evening program. After a program, the entire audience over seven and under seventy years was invited to play games led by recreation directors.

Ice cream and lemonade for the weary and thirsty paid expenses and left a tidy sum for "follow-up." The use of two cars donated by the local automobile company provided transportation for both workers and children. "Pitch-in" dinners furnished by local committees could hardly be surpassed for either variety or quality.

Local physicians assisted in the examinations and later decided on future plans at a final dinner given by the nurse at the County Club.

HUNTINGTON COUNTY

The invitation to conduct a health campaign came originally from the county anti-tuberculosis society through their nutrition worker, but because of local conditions the organization for work was taken over by the Tri Kappas. Members assisted in each place who were thus trained for the "big days" at the county seat. Physicians assisted and all helped to make this county one of the banner counties in the state. The Tri Kappas, the anti-tuberculosis societies and physicians generally are promoting nutrition work, which is the special project for this year.

CASS COUNTY

The county nurse and a live reporter were two important factors in Cass County. The concession made by shortening two other programs to visit this county was well repaid by the interest aroused and the good accomplished for the children in following the advice that was given.

WINONA LAKE

At Winona Lake Chautauqua, ample quarters for examinations were provided for. There exhibits were placed. Children came from Warsaw, Winona Lake and the surrounding counties. Demonstrations by nurses were given and afternoon and evening lectures by the director were given at the auditorium. Moving pictures and exhibits were shown. Many children had improved in a marked degree from following advice given at the 1920 conference. The week closed with health games at the auditorium by local children directed by a division nurse.

NOBLE COUNTY

In Noble County the division worked with health officers, nurse, preachers, doctors, club women, Elk's Lodge and newspapers.

The fact that children were brought for examination all through the busy harvest and threshing season shows the interest in the health campaign.

STEUBEN COUNTY

The secretary of the county medical society was the moving spirit in Steuben County. Other physicians and teachers and clubs of women rallied to her support.

The high per cent of poorly nourished school children comes from the fact that children were selected because of poor condition that they might find some chance for improvement.

LAPORTE COUNTY

A combination of an energetic county nurse, a live group of medical men, a splendidly organized group of women and a newspaper reporter with vision made this the banner county of the year, in point of numbers of children examined, and the month of August the best month of the campaign, with a total of 986 children in Steuben and Laporte counties.

STATE FAIR—INDIANAPOLIS

The state fair better baby contest and conference was visited by nearly 34,000 persons, who came to learn scientific principles of the rearing of babies.

That none of the contest babies were much above or below standard nutrition, none below a ten per cent minimum weight, all up to or above developmental standards, proves that many mothers already know these principles and are applying them to the care of their babies. Bigger and better plans are being made for state fair babies. Early registration with the secretary of the State Board of Agriculture should be the rule.

HOWE

At the Howe home coming, a few babies were examined by local physicians at the child hygiene day nursery and rest room. None were below ten per cent minimum nutrition standards.

LA FONTAINE

Here the child hygiene nurse directed a conference by local doctors and women and a nurse. The work was thoroughly done and was commendable in every respect.

OTHER ACTIVITIES

In addition to conference examination of children, members of the staff have been detailed to conduct rest tents and place exhibits at fairs, festivals, home comings, etc. Not only have tents or rooms and beds been provided by local authorities, but kindergarten material, playgrounds, milk and cracker lunches, and refrigerators and hot plates for babies' milk have been furnished. Many personal conferences with mothers have been held. The staff has worked at the following places: South Bend, industrial exposition; Northern Indiana fair, Decatur, Ind.; Madison, Ind., fair; Allen County fair, Huntertown, and the annual home coming at Ft. Wayne.

Moving pictures are often shown in local theaters as a part of the regular program, and time is given a member of the staff for a talk concerning the work.

Advertising slides are also used between films, giving the date and place of meeting. Posters, handbills and window displays are all good advertising agencies.

Newspaper publicity has been a most excellent and effective educational feature of the work.

STATISTICAL STUDIES

Studies from schedules of children examined have been made concerning prenatal care, feeding in infancy, remedial defects, nutritional variations and developmental tests. A detailed report follows:

PRENATAL CARE

In the state fair better baby contest, physically superior babies were entered.

The highest score was 999.7 points out of a possible thousand. Of the 127 babies, thirty-five scored 990 points or above. In this study a comparison is made of the age and prenatal care of mothers of the contest babies, of the state fair conference mothers, the Laporte County conference mothers and the studies of mothers from the general report, which includes all other prenatal studies for 1921.

All studies are made on a percentage basis and show the number of mothers per 100 in each group. Approximately two-thirds of the mothers in each study were in the age period from twenty to thirty years.

The first shows the age of the mother at the birth of the baby.

(Number of mothers in each 100)

Mother's Age	State Fair Contest	Conferences	Laporte County	All Other 1921
Under 20 years	10	12	6	9
20 to 25 years	30	31	32	30.
25 to 30 years	36	39	34	30
30 to 40 years	22	18	25	30
Over 40 years	. 2	0	3	1

PRENATAL REST FROM HEAVY DUTIES

(Number of mothers in each 100)

Wks. or Mos.	State Fair Contest	Conferences	Laporte County	All Other 1921
1 week	4	., 0	6	7
2 weeks	18	22	27	18
1 month	20	30	20	28
2 months	6	0	17	19
3-6 months	, 9	26	17	. 14
6-9 months	43	22	13	14

It is readily seen that a much higher percentage of the mothers of contest babies were free from the burden of overwork throughout pregnancy than were the others. As the contest babies were entered because they were fine babies this would seem to be a strong argument in favor of prenatal rest and care.

COMPARATIVE STUDY OF NUMBER OF DAYS IN BED AT BIRTH

(Number of mothers in each 100)

Days or Weeks	State Fair Contest	Conferences	Laporte County	All Other 1921
10 days or less	40	44	70	49
2 weeks	52	53	25	43
3-4 weeks	6	2	4	. 6
Over 4 weeks	2	1	1	. 2

The time in bed is usually modified not only by the health of the mother, but by the family needs. This study compared with post-natal

rest, recovery of mother and present health, will give a fairly accurate index as to the nature of the peurperium.

POST-NATAL REST

(Number of mothers in each 100)

No. of Weeks	State Fair Contest	Conferences	Laporte County	All Other 1921
1 week	5	2	8	2
2 weeks	15	10	32	27
3- 5 weeks	39	53	36	. 48
6-10 weeks	28	23	15	17
Over 10 weeks	13	12	9	6

We find that mothers who are intelligently interested in having healthy babies are in good health.

RECOVERY (R) AND PRESENT HEALTH (P. H.) OF THE MOTHER

(Number of mothers in each 100)

	State Fair Con	ntest Conf	Conferences		e County	All Other 1921		
	(R) (PH	(R)	(PH)	(R)	(PH)	(R)	(PH)	
Poor	2 0	1	2	1	1	3	2	
Fair	, 9 9	5	9	6	14	13	21	
Good	89 91	94	89	93	85	84	. 77	

NUTRITION

In the nutrition studies made during the fiscal year on 5,536 children, fourteen in every one hundred were found to be 10% or more below the standard weight as compared with height. Thus 799 children were classed as poorly nourished.

Of the factors affecting the nutrition of these children such as home atmosphere, sanitation, disease, etc., we have only general knowledge. Investigation of their food habits beginning in infancy shows the percentage of children on different feeding schedules who are either above, below or up to standard weight.

NUTRITION STANDARDS OF INFANT AND PRE-SCHOOL CHILDREN IN 1920 AND 1921 ON A PERCENTAGE BASIS

Kind of Food		Nutrition							
		Above		Standard		Below		Below Minimum	
	1920	1921	1920	1921	1920	1921	1920	1921	
Breast feeding, birth to 18 months. Breast and supplementary feeding, birth to 2 years Modified cow's milk, birth to 4 years. Proprietary foods, birth to 25 months. Cereals, fruit juices, and cow's milk, 1 to 4 years. Table food, 2 to 7 years.	34 17 32 24 37 . 35	21 20 25 22 32 30	11 13 8 10 8 5	18 8 8 26 9	42 57 41 31 41 48	42 40 32 30 38 45	14 13 19 35 14 12	17 32 35 22 21 15	

It will be noted from the foregoing table that the number of babies per 100 who are below the 10% minimum, is notably fewer among those that are even partially breast-fed. It is also true that comparatively few poorly nourished children of two years and over are found among those on a varied diet, which includes cereals, vegetables and milk.

The percentage of poorly nourished school children is slightly lower than the percentage of poorly nourished pre-school children.

In three studies, all the persons examined were above the ten per cent minimum: The forty girls examined at the Purdue Club round-up, the eight babies at the Howe home coming and the seven school age children at Winona Lake.

DEFECTS

These are often responsible for poor nutrition. The large number of defects found in our examinations, many of which are hindering the mental and physical development of the child, emphasize the urgent need for closer supervision of the pre-school child. Every child should be so watched that he may start to school well nourished, with unimpaired vitality and free from hampering defects. That many report correction of defects is very encouraging.

Among the children examined in 1921, we have noted 205 children whose tonsils had been removed, some several years prior to the examination; 184 whose adenoids had been removed. Many children had been vaccinated against smallpox. Corrective dental work had been done for 429 children, forty-seven had had vision correction.

Seventy-six boys had been circumcised. There had been several operations for appendicitis, for inguinal hernia and for infected glands. A number had been given orthopedic treatment. As many omissions have in our records occurred because of inexperienced lay clerking, the number of corrections is really greatly in excess of the number recorded.

The actual number of defects found indicates a deplorable lack of appreciation of the grave results likely to follow the so-called minor ailments, as coughs and colds.

This year we found an average of 1.2 dental defects to a child as against two last year.

Enlarged or diseased tonsils occurred in 78.5% of children, as compared with 79% in 1920. (The prevalence of streptococcus sore throat and of whooping cough early in 1921 is responsible in part at least for this high percentage.) The percentage of adenoids is 13%. Heart defects were found in 8% of children, lung defects in 19%, orthopedic in 18% and inco-ordination in 6% of children.

Retardation in school is often due to poor vision or poor hearing. Twenty-seven out of every 100 vision tests showed vision defects, and 14% of hearing tests showed hearing defects. In round numbers, one child in four had defective vision and one child in seven had defective hearing. When we consider the enormous economic waste entailed in the endurance or in the correction of these defects we wonder why more is not done to prevent them.

DEVELOPMENT TESTS GIVEN BY STAFF

Developmental tests on pre-school children have been made by the child hygiene division of the State Board of Health during health conferences

The following standards adapted from the score card of the American Medical Association have been used.

1-MENTAL DEVELOPMENT

(Perfect Score for All Ages, 200.)

All Ages	Attention to facial expression, irritability, and disposition should be considered during the examination, and included in the mental score with a value of (50)
Six Months	Child sits unsupported for a few minutes (20) Balances head (20) Eyes follow a bright object (40) Looks in direction of unexpected sound (40) Grasps object (30)
Twelve Months	Stands and takes a few steps (40) Makes few sounds, as mama, da-da, coo, (30) Plays with toys (30) Recognizes parents or attendants (20) Shows interest in other children and in domestic animals (30)
Eighteen Months	Child walks alone (40) Says a few words, as baby, up, by-by (40) Calls attention to objects of interest (40) Imitates simple movements (30)
Two Years	Runs (40) Imitates more complex movements (pat-a-cake) (40) Obeys simple commands as, give me the ball, sit here, (40) Repeats 2 or 3_words_1(40) Points to common_objects in a_picture book (30)
Two and One-half Years	Talks in short sentences (30) Knows names of members of family (30) Points to eyes, nose, mouth (30) Uses paper and pencil (30) Imitates familiar noises (30)
Three Years	Repeats sentences of six words (40) Knews two or three coins (20) Knews full name (20) Counts (20) Builds with blocks (30) Attempts to describe picture (20)
Four Years	Knows sex (30) Knows self in mirror (30) Names familiar objects as knife, key, etc., (30) Compares two sticks (longer) (30) Attempts to copy figures with pencil (30)
Five Years	Repeats three numerals (30) Copies a square \$\frac{1}{3}(30) Counts four pennies (30) Describes picture (30) Repeats verse (30)
	Mental score
	Examiner

An effort has been made to choose subjects with which the average child is familiar as a basis. For example, country children usually imitate the calls of farm animals, while city children are familiar with street car signals, etc.

That the tests are not too difficult, is shown by the fact that the majority of children are able to go beyond the standards given for their ages. Even the three-months-old baby may have the intelligence of the average six-months-old baby.

A study has been made for the fiscal year of the percentage of children above and below standard at different ages and the degree of the variation.

The state fair contest babies' ages, one to three, are here compared with conference babies of the same ages examined throughout the state.

Out of every 100 babies, there were according to our standards-

|--|

Just up to standard Six months above standard Twelve months above standard Eighteen months above standard	Contest 19 Contest 46 Contest 32 Contest 3	Conference 37 Conference 40 Conference 15 Conference 4
Six months below standard Twelve months below standard	Contest 0	Conference 3 Conference 1

Of children above thirty-six months, only four in 100 were below standard.

Excluding such factors as heredity, etc., the healthy baby acquires better physical co-ordination than the baby who is weak and ill, and develops more acute perceptions—more accurate memory and greater ingenuity than the child who constantly has his attention diverted to his own ailments.

Although this study has several sources of error, such as change in personnel of staff and insufficient time for complete testing; we hope it may be of some value in arousing greater interest in the normal development physically and mentally of the very young child.

As soon as the college groups, who are at present working out standards have reached definite conclusions, effort will be made to place this work on a more scientific basis. At present, we are oftentimes enabled to determine, by these tests, methods which will promote the well balanced and all-round development of the child.

PUBLICITY

So excellent has been the educational work of the newspapers, that a few quotations may be of interest. A year ago in August, the child hygiene division visited Elkhart to help arouse interest in the starting of a child health station. The following report from the Indianapolis News a year later on the success of the enterprise as promoted by the Elkhart League of Women Voters is shown in a report to the state organization. "The Elkhart league held Thursday, Friday and Saturday of this week its annual fall department store (rummage sale). The proceeds will be used for the civic and educational work of the league and to help out on the budget for the child welfare department of the league. The league in this city has the most efficient child welfare department in the state, maintaining two welfare stations for children under school age, with free clinics twice each week and with nurse and dietitian on duty full time. Recently a branch station and one clinic each week has been arranged for negro babies. This one department is maintained at a cost of nearly \$3,000 a year. It has been in operation for the past fifteen months."

Ligonier Banner, June 16, 1921. "The care and training of the mothers and fathers and children is of the utmost value in conserving community health."

Indianapolis News, September, 1921. "Thousands of parents, with their children have visited a long, well lighted room at the state fair this week. Most of the children are strong and well—they are brought here to be examined by Dr. Schweitzer and staff."

Logansport, July 10, 1921. "Due to the success of the child hygiene division work in Logansport, every effort will be made to follow up the opening, and a special nurse will be appointed whose duty it will be to take over child hygiene work."

Lagrange Standard, October 14, 1921. "We feel that something worth while has been accomplished by the child hygiene division. Many

parents were pleased to know the defects and willing to go immediately to the family physician for help for their children."

The Lafayette Journal Courier, May 4, 1921. "Dr. Schweitzer emphasizes the necessity of the proper care and feeding of the child in babyhood and early childhood, as the only means of producing strong, healthy boys and girls."

Decatur Daily Democrat, August 5, 1921. "Yesterday over two hundred babies and children were cared for and given milk and crackers and assisted in various ways. The mothers were highly pleased with the very efficient work that was done in this welcome rest tent for children. We hope that this division may be brought here permanently and every year."

Muncie, Ind. "Better babies make better citizens, and this is the most interesting and helpful free program that has ever been conducted in this community for the good of the babies."

LITERATURE

During the year the literature published by the child hygiene division has been distributed in eighty-one counties, largely through members of the staff, public health nurses, doctors and home economics workers. Other literature from the State Board of Health has been sent to seventy-six counties.

Seventy-seven counties have been reached with prenatal literature, seventy-two with miscellaneous, which includes physical education, diet, etc., and seventy-four with literature issued by governmental bureaus.

On request a total of 1,686 publications of the child hygiene division have been sent to thirty-five states. Pamphlets have also been sent to Africa, the Baltic states, Switzerland, Canada and Mexico.

A total of 57,105 pieces of literature have been distributed during the year.

FINALE

With the increased appropriation granted by the last legislature, it is hoped to materially increase the amount of work done by the child hygiene division and to broaden its scope.

ANNUAL REPORT OF DIVISION OF INFANT AND CHILD HYGIENE, INDIANA STATE BOARD OF HEALTH,

For the Year Ending September 30, 1921

By Ada E. Schweitzer, M. D., Director

REPORT OF CHILD HYGIENE EXAMINATIONS

(Complete Physical Examinations)

Total	3°,796 1,042 1,003 2,053
Howe, Indiana	∞ : : :
State Fair Reg. Exams.	101 1
Laporte	681 173 160 478
Steuben	254 87 87 179
Noble County	170 45 45 124
Winona Lake, Indiana	149 59 86
Cass	275 58 36 233
Hunt- ington County	494 85 81 418
Fayette County	229 100 100 135
Fhorn- Mont- Fa town, gomery Co ndiana County	302 134 134 170
Thorn- town, Indiana	82 449 26
Putnam County	174 79 79 106
Morgan	316 24 24
Jay	251 37 38
Otter- bein, Indiana	19
Newton	291 111 111
	Complete physical examinations (clothing removed). Vision tests given. Hearing tests given. Mental tests given.

TOTAL NUMBER OF DEFECTS

Feneral Ponsils and adenoids	723	26	590 210	714	762	235	1,294	925	1,811	939	297 62	534 101	875 290	1,935	209 31	152	11,884
Total physical—General Total dental defects Total vision defects. Total hearing defects	975 285 7 3	37	800 92 8 10	971 271 3	886 274 42 22	292 165 23 13	1,516 509 35 27	1,085 472 31 13	2,195 381 19 12	1,098 251 31 12	359 15 13	635 156 15	1,165 265 42 14	2,476 905 67 33	240 14	17	14,747 4,060 336 170
Total.	1,270	42	910	1,248	1,224	493	2,087	1,601	2,607	1,392	389	812	1,486	3,481	254	17	19,313

DEFECTS BY SYSTEMS AND ORGANS

5,159 774 790	1,069 497 561	910 334 334	856 553 ,560	598 122 277 169 1,350	,313
1 ::	67 : ES	: : :	0 1	4	17 19
20	46	2°2	27 17 10 10	42 13 13	254
,071 108 120		157 120 72	161 92 317	27 27 54 46 377	,481
358 73 44	249 41 40	30 30	97 36 124	04 138 138	1,486
178 33 35	137 18 15	482	35 66 66	24 4 7 801 103	812
38 21 13	79 10 15	8229	35.55	53.4 50 5 55	389
320 51 47	204 35 37	22 23	59 156	203 203 203	1,392
459 129 143	462 106 84	102 24 25 24 25	202 203	4024884	2,607
568 67 69	207 16 28	888	9226	21 8 8 189	1,601
639 87 113	326 65 78	288	122	252	2,087
210 33 28	77 13 3	15 0 0	14 20 2	-2100 4100	493
357 69 61	168 34 28	34.25	26 95 95	200 200 200	1,224
355 15 34	230 27 44	25 13	1123	8128	1,248
215 19 34	179 31 34	£ 41 ∞	28 10 10 10 10 10 10 10 10 10 10 10 10 10	% e. El ∞ 8	910
10	120.	rs 03	0101	7 - 2 - 2	42
360 64 45	212 40 46	37.2	37 23 23 23 23 23 23 23 23 23 23 23 23 23	16 10 14 140	1,270
Oral Teeth defects and general Eyes Bare Tonsils enlarged irregular diseased or	S. sand neck.	Enlarged glands. Bone defects of chest and back. Heart.	Lungs Abdomen Genitalia	Extremities. Posture. Into-ordination muscles and nerves. Apparent disorders nutrition. Miscellaneous.	Total

NUMBER OF CHILDREN BELOW MINIMUM WEIGHT WHO SHOULD HAVE MEDICAL SUPERVISION

	nurished 19.58 5.2	26 14.3	36 46 .34 14.55	15 8.6	14.6	9.6	47 106 20.52 23.46		24.36	31 42 24.70 24.70	42 24.70	52 20.47	103 15.12	103 22 15.12 21.78	
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ANNUAL REPORT OF DIVISION OF INFANT AND CHILD HYGIENE, INDIANA STATE BOARD OF HEALTH,

For the Year Ending September 30, 1921

By Ada E. Schweitzer, M. D., Director

REPORT OF THE SCHOOL EXAMINATIONS AND BABY CONTEST EXAMINATIONS

Total	290	1,740 1,283 1,279 1,279
Lafon- taine, Indiana Baby Contest	35	35
State Fair Baby Contest	127	127
Laporte County School Exams.	24	21.22.33.33.33
Steuben Laporte State County County Fair School School Baby Exams. Exams. Contest	27	27 26 26
Noble County School Exams	70	יטיטיט :
Winona Lake School Exams.	7	25557
Cass County School Exams.	00	889
Fayette Cass County County School Exams.	72	72 68 67 83
ont- mery unty hool ams	114	1114 87 87 10
Purdue School Exams.	40	40 40 40 40
am Thorn- ty Indiana School Co ol School Exams. Se Exams.	135	135 124 124 2
Putnam County School Exams.	146	146 143 143
North Man- chester, Indiana School Exams.	629	659 571 571
Jay County School Exams.	213	213 184 184
Goshen Baby Contest	128	128
	Complete physical examinations (clothing removed) School examinations	Total number examinations made. Vision tests made. Hearing tests made. Mental tests made.

TOTAL NUMBER OF DEFECTS

General. Tonsils and adenoids	188	445	817 468	499	159	171	380	295	44	10	38	97	34	261	108	3,585
Total physical—General Total dental defects. Total dental defects. Total vision defects. Total hazing defects.	209	730 348 44 30	1,285 613 74 3	621 348 71 68	211 508 38 23	185 41 15 6	477 320 25 16	339 23 13 13	82221	14	29	148 59 9	119 53 9 3	333	139	4,887 2,563 302 166
Total	212	1,152	1,975	1,108	780	247	838	288	63	17	39	217	184	359	139	7,918

3.189	459	418	1,280	221	144	385	287	115	190	48	250	29	₹9	63	69	929	7,918
	-	29	23	. 13	10	2	-		_	2	31	9		-	4	12	139
23	20	17	78	13		37		:	:	00	282	:			-	54	359
99	13	2	28	9	20	4	20	9	18	:		4	2	-		18	184
92	12	2	43	∞	20	7	16	2	10	:	က		00	2	~	14	217
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	2					4	700	:	4		-	:	:			00	63
271	25	27	84	9	2	30	33	18	25	_	10	9	-	-	4	41	588
414	42	43	63	26	32	28	35	10	36	4	3	က	_	12	2	84	838
56	19	12	53	9	:	12	12	6	20	:	∞	rc	:	∞	_	50	. 247
618	39	28	69	2	2	2	_	:	:	:	:	:	:	-	10	· ∞	780
434	109	96	164	43	18	44	35	22	26		2	4	3	∞	4	90	1,108
969	82	35	432	36	14	112	104	32	36	17	64	31	23	13	23	222	1,975
374	282	110	228	22	42	94	32	20	6	:	2	2	30	12		61	1,152
102	=	2	21	:	52	:	_	:	:	6	42	20	:	_	4	6	212
Oral—Teeth defects and general	Eyes		inlarged, irregular, diseased or cryptic	adenoids	nead, face and neck	I glands	fects of chest and back					ies	Posture	O-ordination muscles and nerves	t disorders nutrition	Aiscellaneous	Total

NUMBER OF CHILDREN BELOW MINIMUM WEIGHT WHO SHOULD HAVE MEDICAL SUPERVISION

	132	11
	7.	
	2.86	
	13.78	
	12.3	
,	29.62	-
	90.09	
	12.50	
	20.83	
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	5.9	
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	9.85	
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REPORT OF THE DIVISION OF INFANT AND CHILD HYGIENE, INDIANA STATE BOARD OF HEALTH, FOR THE YEAR ENDING SEPTEMBER 30, 1921

By Ada E. Schweitzer, M. D., Director

SUMMARY OF WORK DONE

	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	Total
Meetings attended	89	72	76	71	308
Talks given by Director.	77	47	67	50	241
Talks by nurses	Ö	5	ĭi	27	43
Talks by local doctors	ñ	ŏ	-1	i	2
Conferences	93	112	185	200	590
Audiences	11.278	3,069	10,657	67, 140	98,901
Towns visited	42	35	61	54	192
Children examined	1.849	0	1,788	1,871	5,508
Doctors and dentists assisting	67	0	52	116	235
Club women, teachers and others assisting	231	. 0	307	423	961
Literature distributed	14,716	5,667	16,176	20,546	57, 105
Exhibit demonstrations	18	20	44	50	132
Exhibit shown days	56	30	75	78	239
Form letters sent out	166	289	314	122	891
Charts loaned (sets)	12	5	5	8	31
Films loaned	2	5	0	0	7
Number of films shown	45	5	98	84	232
Annual report exhibit charts made	0	17	0	0	17
Lantern slides loaned (boxes)	0	0	3	0	3
Children cared for at rest rooms	0	0	0	316	316
Meetings in Churches	26	1	29	11	67
Meetings in School Houses	39	18	63	24	144
Meetings in Moving Picture Houses	8	1	2	7	18
Meetings in Sanatoriums	1	9	0	0	10
Meetings in Halls	10	1	4	2	17
Meetings in Libraries	4	1	9	0	14
Meetings in Court Houses	5	0	2	2	9
Meetings in Homes	0	11	5	1	17
Meetings in Chamber of Commerce	0	7 .	1	4	12
Meetings in Hotels	0	2	5	2	9
Meetings in Y. M. C. A.	0	1	0	0	1
Meetings in Clinics	0	1	0	0	1
Meetings in Dental Colleges.	0	1	0	0	
Meetings in Ladies' Aid Room	0	0	0	1 0	8
Meetings in Office Buildings	0	0	8		8
Meetings in Tents	0	l o	0	4 6	4
Meetings in Woman's Bldg. State Fair	U	U	U	0	0

ANNUAL REPORT OF THE DIVISION OF PUBLIC HEALTH NURSING

INDIANA STATE BOARD OF HEALTH

STAFF

INA M. GASKILL, R. N., Director. ANNABELLE PETERSEN, R. N., Assistant Director. HELEN TEAL, R. N., Assistant Director. EMMA SCHOTT, Stenographer.

The Division of Public Health Nursing was established in the Indiana State Board of Health in May, 1920. At that time an agreement between the State Board of Health and the American Red Cross was reached regarding public health nursing work in the state. Under this agreement the assistant director of the Bureau of Public Health Nursing of the American Red Cross for Indiana, Miss Ina M. Gaskill and her assistant, Miss Annabelle Petersen, have offices in the State Board of Health. The director of this department is also director of public health nursing for the State Board of Health.

The purpose of this division is to stimulate interest in public health nursing work, to standardize such work throughout the state, to serve as a clearing house, to plan a system of state records, to help interest and prepare nurses for this service, and to supervise and work with the nurses in the field.

From its start until February, 1921, the American Red Cross was assuming the entire responsibility for this department. February 1, 1921, a new agreement regarding the division was reached between the State Board of Health, the American Red Cross and the Indiana Tuberculosis Association. The latter association is to share jointly with the American Red Cross in financing the work of the state supervising nurse, while the assistant is to be financed entirely by the American Red Cross. The purpose of this arrangement is further to co-ordinate public health nursing work in the state and to develop it within the State Board of Health. Both the American Red Cross and the Indiana Tuberculosis Association are bearing the expense for this work only until the State Board of Health is able to assume all or part of it.

Public health nursing is a development of the twentieth century. Prof. Winslow of Yale has said, "The twentieth century has given us two new things: the Panama Canal and the Public Health Nurse."

The public health nurses are doing:

- Bedside nursing, which consists of actual nursing care given to sick patients in their own homes. Such care is given to both sexes, all ages, all nationalities and in all varieties of illness, except the contagious diseases. It is arranged on the visit basis, the nurse calling at the home to give the necessary care daily or as often as needed, but not remaining in the home except in emergencies.
- 2. Prenatal nursing, which includes supervision of the physical condition of pregnant women and instruction in the hygiene of preg-

nancy; advice in regard to injurious economic or social circumstances; arrangements for care during confinement and the development of prenatal clinics.

- 3. Maternity nursing, of which there is great need. The visiting nurse usually is able to give nursing care only after confinement, as attendance during the delivery interferes seriously with the execution of her regular duties. If, however, her other work will permit her to be in attendance during the confinement and to rest during the day when she has been out at night, she may attempt such work.
- 4. Infant welfare, which inculdes advice to mothers in infant hygiene; constant oversight of the health of babies; development of infant welfare clinics, mothers' classes and investigation of local conditions influencing morbidity and mortality.
- 5. Child welfare work, which is the extension of the infant welfare program to include children of pre-school age.
- 6. School nursing, which consists of assisting the medical inspector in the physical examination of school children; visiting the children's parents to secure their co-operation in remedying defects; securing the correction of physical defects through private physicians, clinics or hospital care; investigating the sanitary conditions of school buildings and developing classes in hygiene among the boys and girls.
- 7. Tuberculosis nursing, which consists of the constant seeking of undiscovered cases of tuberculosis; giving nursing care when needed; securing medical and hospital care; teaching the family preventive measures; securing medical examination for the family and others exposed to infection; carrying on of an educational campaign, and stimulating the use of open air class rooms.

As several of our largest cities already have public health nursing work organized and operating very successfully, the greatest stress has been placed upon the county or rural work by this division.

Nurses employed throughout the state are developing one or more of the above phases of public health nursing, depending upon the population and the territory to be served. Variations are made when necessary to fit different community needs.

In rural or county work the emphasis has usually been placed on school nursing and tuberculosis nursing. On account of the population and large territory in which each nurse is compelled to serve, it has seemed that the best service could be given to the greatest number by emphasizing these types of nursing.

Out of the school nursing work has grown three permanent general clinics. The public health nurses have been instrumental in bringing about organization and development of baby welfare clinics. They have assisted the Indiana Tuberculosis Association in securing material and in the conduct of tuberculosis clinics in thirty-two counties. In one county this summer, with the aid of the Junior Red Cross, a traveling dental clinic was conducted.

Many of the nurses conducted rest tents or aided in conducting bet-

ter baby conferences at county fairs. This was sometimes in co-operation with the child hygiene division of the State Board of Health.

The following cities and towns have public health nurses, some employed by private organizations, some by boards of health and some by boards of education:

Redford Elkhart Indianapolis Richmond Bloomington Frankfort Jeffersonville Rushville Connersville Fort Wayne Kendallville Shelbyville Evansville Gary Lafayette South Bend Elwood Hammond Muncie Terre Haute East Chicago Huntington Michigan City Wabash

The following counties have been operating or have established public health nursing services during the year:

Floyd Lanorte Randolph Benton Franklin Lagrange Ripley Bartholomew Fulton Lawrence Steuben Clark Greene . Morgan St. Joseph Clay Huntington Marshall Tipton Cass Hendricks Marion Tippecanoe Clinton Hamilton Noble Washington Dekalb Johnson Newton Wabash Dubois Jackson Ohio Wayne Dearborn Jefferson Orange Whitley Elkhart Kosciusko Putnam

Work has been discontinued in the following counties:

Decatur Lawrence
Hamilton Washington

The following counties are organized with funds available to carry on the work and they need well-qualified public health nurses to organize the service:

 Carroll
 Lake
 Spencer
 Sullivan

 Fayette
 Miami
 Scott
 Warren

 Huntington
 Owen
 Shelby
 Warrick

 Jasper
 Parke

Classes in elementary hygiene and home care of the sick as arranged by American Red Cross, have been given in the following counties during the year:

Henry Bartholomew Jasper Wells Spencer Dearborn Elkhart Delaware Ohio Benton Allen Tipton Franklin White Parke Warrick Vanderburgh Johnson Miami

In addition to public health nurses many of the above counties employed a full-time nurse instructor for this work.

Public health nurses have instituted or assisted in promoting the modern health crusade, as arranged by the Indiana Tuberculosis Association in the schools of the following counties:

BentonJohnsonMontgomeryWabashDearbornLakeNewtonWashingtonDelawareMadisonSt. JosephWayneHamiltonMarionSteubenTipton

SMALLPOX EPIDEMIC

In January, 1921, Miss Teal spent two weeks in East Chicago, assisting with the smallpox epidemic work. During that time Miss Teal had under her supervision from five to seventeen nurses, who were working under the direction of the city health officer to combat the epidemic.

CONFERENCE OF PUBLIC HEALTH NURSES

A three days' conference of public health nurses was held at Indianapolis in May, in connection with the school for health officers of the Indiana State Board of Health. One hundred and sixty nurses registered for this conference. Public health problems, clinics and addresses given by able authorities on different phases of public health work formed the program.

STATE RECORDS

We have inaugurated a system of state records to be used by the public health nurses over the state. This system includes records for the various phases of public health nursing work done, and daily and monthly reports.

DENTAL SURVEY

Plans have been made and instructions sent out for a special dental survey to be conducted during the month of November. One of the outstanding discoveries found through the efforts of the public health nurse is the large percentage of children needing dental care. It is hoped that this survey will give actual figures of dental conditions and will create new interest in this line of work.

A summary of public health nursing activities throughout Indiana follows:

Public health nurses now employed in the state	16
Number outside five largest cities	8
Number in towns of 8,000 or less than 20,000	
Number doing rural and small town work	6

Of those employed outside the five largest cities, thirty-three are employed by local Red Cross chapters; twelve are employed by local tuberculosis associations; eleven are employed by county commissioners, boards of education or from other public funds; and thirteen are employed jointly by one or more of these agencies.

In addition to developing this division of public health nursing within the Indiana State Board of Health, the director and her assistant have accomplished the following specific activities during the year:

Supervisory visits made to county public health nursing services	63
Supervisory visits to town or city services	10
Visits made in the interest of public health nursing	69
Talks to groups of nurses	11
Talks to other groups	14
Conferences and meetings attended	40

Practically all public health nurses, except those operating in the larger cities, are now making monthly reports of their activities to the Indiana State Board of Health. We are confident that never before in the history of Indiana's public health work has the state at large had

such a panoramic view of the health of its citizenship, as is afforded now through the records of this division.

We respectfully call to the attention of the citizens of Indiana the real need that exists for adequate state appropriations to carry forward the work of the public health nursing division of the Indiana tSate Board of Health.

ANNUAL REPORT OF THE TUBERCULOSIS DIVISION

INDIANA STATE BOARD OF HEALTH

STAFF

DR. H. W. McKANE, Director. ELSIE McKANE, Welfare Worker. OTTO T. LAW, Manager of Exhibits. MARJORY GORDON, Secretary.

The object of the Tuberculosis Division is to carry the message of the anti-tuberculosis life to the several counties of the state, more, especially, the rural districts, warning the people to protect their children from infection, inasmuch as the infection of tuberculosis is practically taken in childhood. It is the consensus of opinion that eighty per cent of all cases of tuberculosis is acquired in childhood.

Arrangements are made by appointment with the local physicians, counties, townships, state officials, tuberculosis associations, Red Cross societies, ministers and civic bodies, for exhibits, moving and stereopticon pictures, lectures, distribution of literature, visiting of tuberculous persons, conducting of clinics under the auspices of county medical societies and visiting of schools.

Intensive campaigns were conducted in Sullivan, Spencer, Montgomery, Monroe, Martin, Warrick and Randolph Counties. Beginning with December and during the winter months the division visited, lectured and showed moving and stereopticon pictures to fifty-five commissioned high schools in the central part of the state. Great enthusiasms was manifested at all of these schools in the work of the division.

Following is the report of each quarter:

The first day of October found the personnel of the division in the midst of a commercial street fair at North Vernon. We were located in the auditorium of the Chamber of Commerce, where our display was on exhibition. We gave moving and still picture entertainments, with lectures each evening. Literature was distributed. At the end of the second day, which ended our stay here, at least 2,500 people had visited our exhibit and attended our public meetings. Fifteen hundred pieces of literature were given out.

The division was in Orange County from October 5th to the 11th. We visited the schools at Orleans, Paoli, West Baden and French Lick. We gave evening entertainments in these places to very large and appreciative audiences, aggregating 1,025 people.

We gave the next week from the 11th to the 15th to Dubois County,

visiting the public and parochial schools in Jasper, Huntingburg and Ferdinand. In Jasper we gave our entertainment in the new Grand Theatre to 550 people. We held two meetings in Huntingburg: One in the afternoon in the theatre, where 300 were in attendance, and in the evening in the City Hall Auditorium, where 500 were present. In Ferdinand our public meeting was held in the auditorium of the Catholic Dramatic Hall, where we had 500 present. The director spoke in all of these meetings.

The 16th of October we went to Sullivan County. On the following Sunday the director spoke to the united congregation of the Methodist, Presbyterian and Christian Churches of the city of Sullivan in the Methodist Church at an evening service to a large and appreciative audience of 300 people.

We went to Sullivan County on invitation of the anti-tuberculosis society of the county. We did intensive work here for two weeks. We visited the schools and gave lectures in every township in the county.

We were in Farmersburg, Hymera, Dugger, Carlisle, Shelburn, Merom, Graysville and Sullivan. We had very large and enthusiastic audiences in all of these towns. The people attending these meetings number 2,775.

November the 8th we opened a campaign in Montgomery County, under the auspices of the anti-tuberculosis association of the county. We visited the schools and gave public entertainments in the following places in the county: Crawfordsville, Roberts Chapel; New Richmond, Beckville School; Parkersburg, Waynetown, New Market, Ladoga, Darlington and Wingate. We were cordially received in all of these towns. Our meetings were well attended, 1,600 people being present. We were given hearty support by the members of the anti-tuberculosis society. Mrs. Meta Ludolph, county tuberculosis nurse, gave us especial assistance. O. T. Law, manager of the display always gives efficient service. Two hundred positive tuberculous persons were investigated. These names were furnished from Dr. Shimer's department.

During the month of November, from the 13th to the 16th, we were in Terre Haute. We were there on account of the conference of state charities. Our display was on exhibition in the Centenary M. E. Church during our stay. The director spoke in the Second Christian Church in Terre Haute, on Sunday the 14th, under the direction of the conference. There were 300 people present. The subject was, "How to Prevent Tuberculosis."

On our way over to Terre Haute from Crawfordsville we stopped to visit the Indiana State Sanatorium at Rockville. We were shown through the institution and royally entertained by Dr. and Mrs. Cater. We believe the sanatorium is under splendid management. The patients seemed well satisfied and optimistic as to their being cured of tuberculosis.

With November we closed our rural work and began the first of December to visit the schools in the larger centers of population made accessible by interurban or steam railway lines.

During December we visited the schools and held public meetings in the following towns and cities: Amo, 1st; Clayton, 3d; Brazil, 7th;

Waveland, 8th; New Ross, 9th; Noblesville, 13th; Cicero, 14th; Arcadia, 15th; Tipton, 16th, and Kokomo, 17th. We were cordially received in all of these places by the school authorities. The director spoke to the junior and senior high school pupils, and Miss McKane, the welfare worker, spoke to the grades. Our public meetings were well attended, aggregating 2,450 people.

During the quarter ending March 31, the Tuberculosis Division confined its activities to visiting the schools in Central Indiana. The director and welfare worker gave talks to both grade and high school pupils during the day, and presented an illustrated lecture upon the prevention of tuberculosis to a general audience in the evening. These evening lectures were usually well attended and much interest manifested. At most of these meetings the superintendent of schools presided.

In January twenty schools were visited; eighteen public evening meetings were held; twenty-one lectures were given by the director, exclusive of the talks given in the schools; 1,500 pieces of literature were distributed. The following schools were visited: Greenwood, Franklin, Edinburg, Seymour, Fortville, Pendleton, Anderson, Alexandria, Summitville, Fairmount, Gas City, Marion, Lafontaine, Wabash, Greenfield, Knightstown, Cambridge City, Centerville, Charlottsville and Arlington.

In February, from the 7th to the 19th, the Tuberculosis Division assisted the venereal disease division in conducting a venereal disease campaign in the city of Indianapolis. For this reason only eight public lectures were delivered, exclusive of the talks given to the school pupils. The following towns were visited: Milroy, Markleville, Bunker Hill, Peru, Logansport, Monticello, Delphi and New Palestine.

In March, eighteen schools were visited; sixteen meetings were held; seventeen lectures delivered, exclusive of talks given to the school pupils; 6,275 persons attended the meetings, and 2,000 pieces of literature were distributed. The following schools were visited: Pittsboro, Lizton, Jamestown, Whitestown, Lebanon, Frankfort, Michigantown, Rushville, Carthage, Connersville, Liberty, Carmel, Zionsville, Sheridan, Danville, Plainfield and Mooresville.

The Tuberculosis Division regrets to report that no increase in appropriation was granted by the legislature for the next two years. An increase of \$10,000 was asked for in the general appropriation bill, but this was denied. The division then asked for \$15,000 in the specific appropriation bill, but owing to the fact that the item for the Tuberculosis Division was omitted from the printed bill that was presented to the Senate, this, also, was lost.

The first Tuesday of April was spent in making ready for our summer campaign. On the 11th we started for Spencer County. We were in the county from the 11th to the 27th, inclusive. A community center in each township of the county was visited. The itinerary was arranged by Mr. Strassell, county superintendent, and the anti-tuberculosis association of the county. There were twelve public meetings held in twelve different places in the county, and 2,975 persons saw the moving pictures and heard the message of the anti-tuberculosis life. There were 1,500 pieces of literature distributed.

A few days were given to Warrick County. The roads were so

bad that only three places could be reached. Seven hundred people attended these meetings.

The division attended the health efficers' school in Indianapolis during the 10th and 11th of May.

The week following the health officers' school the division was in Martin County. Four of the principal places were visited and public meetings were held.

The last week of May was given to Monroe County. An intensive campaign was carried on in this county that extended through the first week in June. All the principal community centers in the county were visited. There were nine public meetings held.

Three places were visited in Morgan County. One public clinic was held during the quarter and this was at Rockport. The clinic was conducted under the auspices of the Spencer County Medical Society, and by Dr. G. S. Johnson of Evansville.

Two hundred and eighty-four positive tuberculosis people were visited and investigated during the quarter.

The director represented the State Board of Health at the National Tuberculosis Association, from the 13th to the 17th of June, inclusive. The convention was held in the Hotel Waldorf Astoria, New York City, N. Y. One thousand delegates were registered. The meeting was an inspiring one. The consensus of opinion was that education, especially among the school children, was the means of ridding the country of tuberculosis. "Save the Child, Save the Man."

The division began an intensive campaign in Randolph County, under the auspices of the local Red Cross Chapter, the 6th of July. The itinerary and program were planned by Mr. O. H. Greist, county superintendent, Dr. O. E. Current, health commissioner of Farmland, and Miss Dorothy Rowe, R. N., county nurse.

Arrangements were made for the division to visit fourteen community centers, namely, Losantville, 6th; Modoc, 7th; Huntsville, 8th; Winchester, 9th; Farmland, 11th; Stoney Creek Township, 12th; Parker, 13th; Green Township, 16th; Jackson Township, 18th; Saratoga, 19th; Spartanburg, 20th, and Lynn, 21st. The division visited these several places up to and including the 15th, when the work of the division was stopped by order of the state health commissioner. The division returned to Indianapolis the 16th.

The auxiliary assistants to the general program committee were: Dr. Fred Ruby, health commissioner, Union City; Dr. Chas. Spitler, Saratoga; Mr. Middleton, health commissioner, Ridgeville; Dr. Barnard, health commissioner, Parker City; Dr. Able, health commissioner, Modoc; Dr. Cox, Lynn; Dr. Tom Morgan, Spartanburg; Mr. Cecil Green, Barker; Mr. John Gantz, Barker; T. W. Kemp, Union City; Tom Sacket, Modoc, and D. E. Johnson, Losantville. These workers gave the division splendid co-operation. Considering the very hot weather, great interest was shown by the people in all the places the division visited, especially in Winchester, when between 1,000 and 1,500 people attended, and in Farmland where nearly 500 enjoyed the program. These meetings were held in the open.

The director spoke to a large congregation in the Friends Church on Sunday morning the 10th, and in the evening to the combined congregations of the Methodists, Christians and Friends. The meeting was held on the lawn of the Christian Church. There was a marked disappointment on the part of the health workers of the county that the division could not complete its itinerary.

Dr. Boyer, county health commissioner of Adams County, secured space in a large tent at the Decatur fair for the tuberculosis exhibit for the week of August 1st. Moving and stereopticon pictures were shown to large crowds in front of the grandstand each night. About 700 pieces of literature were distributed.

The week of August 8th was spent at the Muncie fair. The exhibit was placed in a model fresh air shack in connection with the Delaware County Tuberculosis Association. At night moving pictures and slides were shown to large crowds in front of the tent. About 400 pieces of literature were distributed.

The week of August 15th was spent at Newcastle at the county fair. Dr. Canady, city health officer, secured a very suitable building for the exhibit and many people saw it during the week. Moving pictures and slides were shown at night. About 400 pieces of literature were distributed.

The week of August 22d was given to the Connersville fair. The exhibit was placed in the Farmers' Building and large crowds visited it during the week. Moving pictures and slides were shown in the grand-stand at night. The fair association thanked the division for the work done during the week.

Space for the tuberculosis exhibit was given in the Mechanical Hall at the Shelbyville fair. At least 3,500 people saw it during the week. At night the moving picture screen was placed in front of the building where the passing crowds could see the moving pictures and slides.

The week of September 5th the exhibit was placed in the Women's Building at the Indiana State Fair. Large crowds saw the display each day. About 1,000 pieces of literature were distributed.

The week of September 12th was spent at the Converse fair. Mr. Draper, secretary of the fair, gave space for the exhibit in a large tent. Large crowds were in the tent at all times. About 400 pieces of literature were distributed. There was no fair at night, but every Wednesday night there is a band concert and moving pictures on the main street of Converse, and the Merchants' Association gave the entire evening for the tuberculosis pictures and slides.

The week of September 19th was spent at the Logansport fair. They had a bungalow for a first aid station, and public health work and the exhibit was placed in connection with the Cass County Public Health Association. Large crowds visited it every day. At night moving pictures and slides were shown to large crowds in front of the bungalow.

The week of September 27th was given to Columbia City street fair. Dr. Linville, county and city health officer, secured a tent in the Court House yard, where the exhibit was displayed. At night moving pictures and slides were shown to large crowds. About 400 pieces of literature were distributed.

Summary: Eighty-one public and parochial schools were visited; 150 public meetings were held; 151 lectures delivered; about 18,000 people attended the lectures; 10,000 pieces of literature were distributed.

REPORT OF THE DIVISION OF VITAL STATISTICS

INDIANA STATE BOARD OF HEALTH

H. M. WRIGHT, Registrar-Statistician.

DIVISION STAFF

HELEN SCRUBY, Certificate Clerk. CATHERINE DOERRE, Clerk-Typist. OPAL C. BOONE, Clerk. KATHRYN GLEASON, Stenographer. THELMA MELLON, Clerk.

Transcribing Clerks for U. S. Census Bureau—
JOSEPHINE WISHMIER (births).
JANE McCARTY (births).
ADAH L. KENDALL (deaths).

INTRODUCTION

The annual report of the Vital Statistics Division will be found in the following thirty-three tables, several showing comparison for past ten years. These tables have been prepared to give as much information as possible with limited space; more detailed tables are on file in this office. There is a decided increase in both births and deaths over last year. Some diseases show an increase while others have decreased. The following comparison of death rates for four years in the state makes ready comparison.

	1917	1918	1919	1920
Total births (stillbirths excl.)	33,073	64,313	59,273	64,809
Total deaths (stillbirths excl.)	39,785	46,361	37,077	39,430
Birth rate per 1,000 population	21.8	22.1	20.1	- 22.1
Death rate per 1,000 population	13.7	15.9	12.5	13.4
Deaths of infants (under 1 year) per 1,000 births	84.4	88.4	79.1	81.4
Death rate per 100,000 population from the following				
diseases—				
Tuberculosis (all forms)	137.4	136.3	110.8	107.7
Typhoid fever	17.1	13.7	11.5	9.6
Diphtheria-Croup	15.3	14.7	10.9	12.2
Scarlet fever	4.9	4.0	2.7	6.6
Measles	19.0	4.1	2.4	9.8
Whooping cough	8.6	16.1	2.2	8.9
Pneumonia (all forms)	128.4	193.7	113.5	141.6
Influenza	19.5	216.4	99.4	78.1
Diarrhoea-Enteritis (under 2 years)	51.1	42.6	34.8	35.2
Puerperal Septicemia	7.0	8.4	6.3	7.6
Cancer	87.9	88.0	85.4	88.4
Deaths from external causes	104.4	94.0	77.9	82.9

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YEAR BOOK

TABLE No. 1.

DEATHS IN INDIANA, DURING THE YEAR ENDING DECEMBER 31, 1920, WITH RATES PER 100,000 of POPULATION (U. S. CENSUS).

CAUSES OF DEATH	Total	Rate
OTAL, STATE OF INDIANA (Stillbirths excluded)	39,430	13.4
ternational I. General Diseases	11,192	381.9
1 Typhoid fever	282	9.6
4. Malaria	22	.8
5. Smallpox. 6. Measles.	15 286	.5 9.7
7 Searlet fever	198	6.7
8. Whooping Cough.	261	8.9
8. Whooping Cough. 9. Diphtheria-croup. 0. Influenza.	$\frac{358}{2,290}$	12.2 78.1
3. Cholera nostras	3	.1
4. Dysentery	104	3.5
8. Erysipelas	121 8	4.1
0. Purulent infection and septicemia	183	6.2
3. Rabies	1	.03
4. Tetanus. 5. Mycoses.	51 3	1.7
6. Pellagra	3	.1
8. Tuberculosis of the lungs	2,542 117	86.8
9. Acute miliary tuberculosis. 0. Tuberculosis meningitis. 1. Abdominal tuberculosis.	172	4.0 5.9
1. Abdominal tuberculosis	168	5.8
9 Pott's discoss	31	1.1
3. White swellings 4. Tuberculosis of other organs.	18 65	.6 2.2
5. General tuberculosis	38	1.3
6. Rickets	11 189	6.4
7. Syphilis.	3	.1
9. Cancer of the buccal cavity	95	3.2
0. Cancer of the stomach, liver.	1,024 301	34.9 10.2
1. Cancer of peritoneum, intestines, rectum	400	13.6
3. Cancer of the breast	216	7.3
4. Cancer of the skin. 5. Cancer of other organs.	140 426	4.7 14.5
6. Other tumors.	16	.6
7. Acute articular rheumatism	81	2.7
8. Chronic rheumatism and gout	121	4.1
0. Diabetes	425	14.5
1. Exophthalmic goitre 2. Addison's disease	71	2.4
2. Addison's disease	11 68	.3 2.3
4 Anemia chlorosis	172	5.9
5. Other general diseases	47 29	1.6 1.0
7. Chronic lead poisoning	3	.1
9. Other chronic poisonings	2	.07
DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE	4,403	150.2
0. Encephalitis	121	4.1
1-A Simple meningitis.	172	5.8
U. Encephalus. 1-A Simple meningitis. 1-B Cerebrospinal meningitis. 1-C Cerebrospinal fever. 2. Locomotor ataxia. 3-A Acute anterior poliomyelitis. 3-B Other diseases of the spinal cord. 4. Cerebrai hawmorrhage. Aponlexy	62 20	2.1
2. Locomotor ataxia	66	2.2
3-A Acute anterior poliomyelitis	12 127	4.3
4. Cerebrai hæmorrhage, Apoplexy.	2,688	91.9
5. Softening of the brain	45	1.5
6. Paralysis, without special cause	442 236	15.1 8.0
8. Other forms of mental alienation	69	2.3
9. Epilepsy	111	3.7
9. Epilepsy	5 71	$^{.2}_{2.4}$
2. Chorea	8	.2
3. Neuralgia and neuritis	35	1.2
4. Other diseases of the nervous system. 5. Diseases of the eyes and their appears	60 2	2.0 .07
5. Diseases of the eyes and their annexa 6. Diseases of the ears.	51	1.7

TABLE No. 1—Continued.

International CAUSES OF DEATH Number	Total	Rate
III. Diseases of the Circulatory System.	5 700	107 1
III. DISEASES OF THE CIRCULATORY SYSTEM	5,769	197.1
77. Pericarditis	35	1.2
78. Acute endocarditis. 79. Organic disease of the heart. 80. Angina pectoris. 81. Diseases of the arteries, aneurysm, etc. 82. Embolism and thrombosis.	$\begin{array}{c} 259 \\ 3,751 \end{array}$	8.8
80. Angina pectoris	325	127.9 11.1
81. Diseases of the arteries, aneurysm, etc.	1,213	41.8
82. Embolism and thrombosis	133	4.5
83. Diseases of the veins, phlebitis, etc	20 21	.7
83. Diseases of the veins, phlebitis, etc. 84. Diseases of the lymphatic system. 85. Other diseases of the circulatory system.	12	.4
V. DISEASES OF THE RESPIRATORY SYSTEM.	4,971	169.6
86. Diseases of the nasal fosse.	2	.07
87. Diseases of the larynx	30	1.0
88. Diseases of the thyroid body	65	. 2.2
89. Acute bronchitis	174 157	5.9 5.3
O1. Bronchopneumonia	1,741	59.4
30. Chronic bronchitis. 11. Bronchopneumonia. 12-A Lobar pneumonia. 12-B Pneumonia (undefined).	2,048	69.9
	362 89	12.3
93. Pleurisy	89 147	3.0 5.0
5. Gangrene of the lung	* 8	.2
10. Fleurisy. 11. Fleurisy. 12. Gangrene of the lung. 13. Gangrene of the lung. 14. Pulmonary emphysema. 17. Pulmonary emphysema. 18. Other diseases of the respiratory system.	62	2.1
8. Other diseases of the respiratory system.	8 78	2.6
DISEASES OF THE DIGESTIVE SYSTEM	3,546	121.0
99. Diseases of the mouth and annexa	19	
	108	.6 3.6
1. Diseases of the oesophagus	8	.2
10. Diseases of the pharynx 11. Diseases of the oscophagus 12. Ulcer of the stomach 13. Ulcer of the stomach 14. Diarrhoea-enteritis (Under 2 years of age) 15. Diarrhoea-enteritis (2 years and over) 17. Intestinal parasites 18. Appendicitis and typhilitis 19. Afternia 19. By Intestinal obstruction 19. By Intestinal obstruction 10. Under the property 10. Under the plant 10. Under the plan	* 109 460	3.7 15.6
04. Diarrhoea-enteritis (Under 2 years of age)	1,032	35.2
5. Diarrhoea-enteritis (2 years and over)	357	12.1
17. Intestinal parasites.	$\begin{array}{c} 3 \\ 271 \end{array}$	$\frac{.1}{9.2}$
9-A Hernia	74	$\frac{9.2}{2.5}$
9-B Intestinal obstruction.	241	8.2
0. Other diseases of the intestines.	90	3.0
12. Acute yellow atrophy of the liver	10 1	.3
3. Cirrhosis of the liver.	215	7.3
4. Biliary calculi (gall stones)	106	3.6
6. Diseases of the splean	237 6	8.1
7. Simple peritonitis (non-puerperal)	182	6.2
9-A Hernia 9-B Intestinal obstruction 0. Other diseases of the intestines 1. Acute yellow atrophy of the liver 2. Hydatid tumor of the liver 3. Cirrhosis of the liver 4. Biliary calculi (gall stones) 5. Other diseases of the liver 6. Diseases of the spleen. 7. Simple peritonitis (non-puerperal) 8. Other diseases of the digestive system.	17	.6
I. Non-Venereal Diseases of the Genito-Urinary System and Annexa	3,429	116.1
9. Acute nephritis.	341	11.6
20. Bright's disease 22. Other diseases of the kidneys and annexa	2,610 98	89.0
2. Other diseases of the kidneys and annexa. 4. Diseases of the bladder.	97	$\frac{3.3}{3.3}$
5. Diseases of the urethra, urinary abscess, etc	3	.1
Diseases of the bladder. Diseases of the urethra, urinary abscess, etc Diseases of the prostate. Non-venereal diseases of the male genital organs.	93	3.1
7. Non-venereal diseases of the male genital organs. 8. Uterine hæmorrhage (non-puerperal).	4 5	.1
9. Uterine tumors (non-cancerous).	43	1.4
8. Uterine hemorrhage (non-puerperal) 9. Uterine tumors (non-cancerous) 1. Other diseases of the uterus 1. Cysts and other tumors of the ovary	34	1.1
2. Salpingitis, other diseases of the female organs	24 77	$\frac{.8}{2.6}$
II. THE PUERPERAL STATE	485	16.5
4. Accidents of pregnancy	60	2.0
5. Puerperal hæmorrhage	40	1.3
66. Other accidents of labor. 77. Puerperal septicemia.	$\begin{array}{c c} 45 \\ 224 \end{array}$	$\frac{1.5}{7.6}$
8. Puerperal albuminuria and convulsions.	95	3.2
9. Puerperal alba dolens, embolus, sudden death. 0. Following childbirth, not otherwise defined	19	. 6
	2	.07

TABLE No. 1-Continued.

Numb	national CAUSES OF DEATH	Total	Rate
VIII.	Diseases of the Skin and of the Cellular Tissue	152	5.1
142.	Gangrene	93	9 1
143.	Furuncle	26	3.1 .9
144. 145.	Acute abscess. Other diseases of the skin and annexa.	25 8	.8 .2
X.	DISEASES OF THE BONES AND OF THE ORGANS OF LOCOMOTION	72	2.
46.	Diseases of the bones (tuberculosis excepted)	69	2.3
147.	Diseases of the joints (tuberculosis and rheumatism excepted)	3	1
X. N	Malformations	444	15.1
50-A	Hydrocephalus	32 -	1.1
l50-В 150-С	Congenital malformation of the heart Other congenital malformations.	329 83	11.2 2.8
	Early Infancy	1,983	67.6
51-A	Premature birth.	1,210	41.2
51-B	Congenital debility, atrophy, marasmus, etc	339 170	, 11.5 5.8
52-B	Injuries at birth Other causes peculiar to early infancy	254	8.6
53.	Lack of care	. 10	.3
XII.	Old Age	416	14.2
XIII.	Affections Produced by External Causes	2,430	82.9
	TOTAL SUICIDE	327	11.1
	" Homicide	$135 \\ 1,968$	$\frac{4.6}{67.1}$
		. 91	3 1
55. 56.	Suicide by poison Suicide by asphyxia	13	.4
57.	Suicide by hanging or strangulation. Suicide by drowning. Suicide by firearms.	69	2.3
58. 59.	Suicide by drowning	$\begin{array}{c} 21 \\ 107 \end{array}$	$\frac{.7}{3.6}$
60.	Suicide by cutting or piercing instruments	15	.5
61. 62.	Suicide by firearms. Suicide by cutting or piercing instruments. Suicide by jumping from high places. Suicide by crushing. Other suicides. Accidental poisoning by food. Accidental poisoning by other means.	5	.1
63.	Other suicides	2	.07
64. 65.	Accidental poisoning by other means	31 49	1.0
66.		24	.8
67.	Burns (conflagration excepted)	157 53	5.3
68. 69.	Absorption of deleterious gases. Accidental drowning	. 122	1.8 4.1
70.	Accidental drowing. Traumatism by firearms. Traumatism by cutting or piercing instruments. Traumatism by fall.	58 2	1.9
71. 72.	Traumatism by cutting or piercing instruments	251	.07 8.5
73-A	Traumatism in mines	100	3.4
.73-B	Traumatism in quarries	3 51	1.7
75-A	Traumatism by machinery	270	0.2
75-B	Street car accidents and injuries	39	1.3
75-C	Automobile accidents and injuries	363 36	12.3
75-E	Landslides, other crushings.	11	.3
75-F	Bicycle accidents and injuries.	3	.1
75-G	Automobile accidents and injuries. Injuries by other vehicles Landslides, other crushings Bieyele accidents and injuries Motorcycle accidents and injuries Injuries by animals Struction Struction	13 34	.4
66.	Duai valion	6 7	.2
78. 179.	Excessive cold	$\frac{7}{9}$	1.1
80.	Effects of heat. Lightning	· 16	.0
81.	Electricity (lightning excepted) Homicide by cutting or piercing instruments Homicide by cutting or piercing instruments	29	1.0
182. 183.	Homicide by cutting or piercing instruments.	53 178	1.8 6.1
184.	Homicide by other means.	178 105	3.6
185.	Fractures (cause not specified) Other external violence.	. 10 20	.3
	Ill-Defined Diseases	109	3.7
186. XIV.			
XIV. 187.	Ill-defined organic diseases	68	2.3
XIV. 187. 188.		68 1 8	

TABLE No. 2

Deaths by Counties, Sex, Color, Conjugal Condition and Nationality, Year 1920

Married American Foreign	26,054 35,852 3,578	159 184 35 948 1,308 180 208 282 16 76 99 19 119 156 8	213 273 5 50 80 80 158 198 8 397 535 62 224 312 22	228 312 31 277 353 14 118 164 4 214 305 9 189 249 35	170 236 14 244 308 26 547 809 23 136 198 28 575 748 47	172 233 9 269 336 38 159 204 15 106 135 21 154 214 5	244 345 24 572 794 83 270 600 18
Single	13,376	094 096 244 645 645 645 645 645 645 645 645 645 6	65 30 48 190 110	115 90 50 100 95	282 282 282 282 282 282 282 282 282 282	105 105 60 50 55	125 255 150 80
Colored	1,765	28	23.00	৮4 40	1 3 46	12 37 1	24
White	37,665	1,460 1,460 293 118 164	275 80 206 581 291	336 363 168 310 282	249 331 786 226 788	230 337 219 156 218	348 803 422 295
Females	19,357	108 722 138 60 75	138 42 111 302 174	171 207 79 163 154	137 159 432 106 400	131 209 96 89 114	187 342 226 . 168
Males	20,073	1111 766 160 58 89	140 48 95 285 160	172 160 89 151 130	113 175 400 120 395	111 165 123 67 105	182 485 196 142
Total Deaths	39, 430	219 1, 488 298 118	278 80 206 587 334	343 367 168 314 284	250 334 832 226 795	242 374 219 156 219	369 ⁹ 827 422 310
	STATE TOTAL.	Adams. Allen. Bartholomew Benton. Blackford.	Boone. Brown. Carroll. Cass.	Clay. Clinton. Clawford. Daviess. Dearborn.	Decatur Dekalb. Delsware Dubons. Elkhart.	Fayette Floyd Floyd Frankin Frankin Futton	Gibson Grant. Grant. Bamilton.

TABLE No 2-Continued

Foreign	25.7.3.8 25.7.3.8	119 119 119	3 46 13 13 630	, 200 8 470 30	26 26 10 6	25 8 1 1 8 8 1 1 1 8 1 1 1 1 1 1 1 1 1 1	10 16 7 7 11
American	184 258 526 488 385	311 159 330 383 159	298 563 361 175	479 410 886 4, 648 261	153 368 - 320 351 282	102 283 48 225 161	254 158 227 194 314
Married	127 186 308 354 354	211 107 239 282 120	211 349 289 138 1,061	449 238 624 3,343 221	102 284 194 271 181	.70 237 37 163 113	194 99 144 176
Single	65 75 225 155 119	120 70 100 120 50	90 260 85 50 1,125	230 . 180 302 1,775	55 110 132 90 102	40 70 114 70 49	70 75 80 100 100
Colored	0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 12 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	5 5	11 6 14 753	20141	ं ध्य च ध्य	2 8 2
White	183 258 523 486 407	329 176 339 389 168	297 604 374 188 1,960	668 412 912 4,365 291	157 388 319 357 282	110 307 49 229 160	262 174 231 236 312
Females	99 124 253 249 207	171 95 177 182 80	142 274 190 84 886	294 101 471 2,558 152	75 208 193 177 148	63 160 23 118 77	137 92 122 114 114
Males	. 93 137 280 260 200	160 162 220 90	159 325 184 104 1,300	385 317 455 2,560 139	82 133 133 135	47 147 28 115 85	127 82 1112 122 110
Total Deaths	192 261 261 533 509 407	331 177 339 402 170	301 609 374 188 2, 186	679 418 926 5, 118	157 394 326 361 283	110 307 51 233 162	264 174 234 236 325
	Harrison Hendricks Henry Henry Howard Howard Huntington.	Jackson Jasper Jay Jefferson Jermings	Johnson. Knox Kosciusko Lagrange. Lake	Laporte. Lawrence. Lawrenco. Marison. Marion. Marshall	Martin Miami Miami Montgomery Morgan	Newton Noble Ohio Orange Owen	Parke. Perry Pite Pite Porter Porter

16 4 4 37 6	11 1 2 3 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	307 18 18 92	160 36 160	12 55 1	45 13 6
234 234 234	87 321 184 101 160	1,070 387 103 689 176	1,209 1,254 1,284	366 99 228 218	690 264 194 192
83 180 239 172 177	70 245 102 102	245 245 256 125	58 849 172 910	263 71 150 149	505 198 132 148
655 655 635 635 635 635 635 635 635 635	6182884	575 160 225 51	118 118 530	063360	230
4 2	10 12	31	153 2 91	9	92
128 236 324 237 233	89 325 184 137 162	1,346 401 120 768 176	75° 1,216 288 1,353	347 104 233 219	700 278 207 198
71 120 152 126 128	51 170 100 64 64	647 193 76 421 100	38 669 138 670	143 55 -125 122	390 139 102 99
57 120 172 111 112	38 165 97 73	730 212 45 360 76	39 700 152 775	210 49 115 97	345 139 105 99
128 240 237 240 240	89. 335 197 137 162	1,377 405 121 781 176	1,369 290 1,444	353 104 240 219	735 278 207 198
Pulaski. Putasm. Putasm. Radolph. Ripley.	Soott Shelby Shencer Starke Starke	St. Joseph Sulivan Sulivan Tipppecanoe Tippon	Union Vanderburgh Vermillion Vigo	Wabash. Warren. Warrick. Washington.	Wayne Wells White Whitley

TABLE No. 3

Total Births and Deaths with Rate per 1,000 Population for the following Cities, Year 1920

Total Rate Total Rate		Bu	RTHS	DEA	THS
Indianapolis		Total	Rate	Total	Rate
Evansville 1,458 16.9 1,123 13.1 Fort Wayne 1,774 20.5 1,156 13.3 Terre Haute 1,397 21.1 997 15.0 South Bend* 1,806 25.4 921 12.9 Gary 1,662 30.0 979 14.2 East Chicago 1,138 31.6 505 14.0 Hammond 976 27.1 499 13.8 Muncie. 842 23.1 564 15.4 Richmond 432 16.1 339 12.6 Anderson 655 22.0 401 13.4 Elkhart 550 22.7 351 14.5 Michigan City 516 26.5 266 13.6 Lafayette 581 25.8 469 20.8 Kokomo 722 24.0 368 12.2 Logansport 471 21.8 321 14.8 New Albany 4	STATE OF INDIANA	64,809	22.1	39,430	13.4
Fort Wayne 1,774 20.5 1,156 13.3 Terre Haute 1,397 21.1 997 15.0 South Bend.** 1,806 25.4 921 12.9 Gary 1,662 30.0 979 14.2 East Chicago 1,138 31.6 505 14.0 Hammond 976 27.1 499 13.8 Muncie. 842 23.1 564 15.4 Richmond. 432 16.1 339 12.6 Anderson. 655 22.0 401 13.4 Elkhart. 550 22.7 351 14.5 Michigan City 516 26.5 266 13.6 Lafayette 581 25.8 469 20.8 Kokomo 722 24.0 368 12.2 Logansport 471 21.8 321 14.8 New Albany 496 21.6 311 13.5 Marion 551<					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Evansville				
South Bend ** 1,806 25 4 921 12.9 Gary 1,662 30.0 979 14.2 East Chicago 1,138 31.6 505 14.0 Hammond 976 27.1 499 13.8 Muncie 842 23.1 564 15.4 Richmond 432 16.1 339 12.6 Anderson 655 22.0 401 13.4 Elkhart 550 22.7 351 14.5 Michigan City 516 26.5 266 13.6 Lafayette 581 25.8 469 20.8 Kokomo 722 24.0 368 12.2 Logansport 471 21.8 321 14.8 New Albany 496 21.6 311 13.5 Marion 551 23.2 362 15.2 Vincennes 415 24.1 271 15.7 Mishawaka 412	Fort Wayne				
Gary 1,662 30.0 979 14.2 East Chicago 1,138 31.6 505 14.0 Hammond 976 27.1 499 13.8 Muncie 842 23.1 564 15.4 Richmond 432 16.1 339 12.6 Anderson 655 22.0 401 13.4 Elkhart 550 22.7 351 14.5 Michigan City 516 26.5 266 13.6 Lafayette 581 25.8 469 20.8 Kokomo 722 24.0 368 12.2 Logansport 471 21.8 321 14.8 New Albany 496 21.6 311 13.5 Vincennes 415 24.1 271 15.7 Mishawaka 412 27.1 218 14.3 Peru 301 24.2 181 14.5 Laporte 334 22.0 </td <td>Terre Haute</td> <td>1,397</td> <td></td> <td>997</td> <td>15.0</td>	Terre Haute	1,397		997	15.0
East Chicago 1,138 31,6 505 14,0 Hammond 976 27,1 499 13,8 Muncie 842 23,1 564 15,4 Richmond 432 16,1 339 12,6 Anderson 655 22,0 401 13,4 Elkhart 550 22,7 351 14,5 Michigan City 516 26,5 266 13,6 Lafayette 581 25,8 469 20,8 Kokomo 722 24,0 368 12,2 Logansport 471 21,8 321 14,8 New Albany 496 21,6 311 13,5 Marion 551 23,2 362 15,2 Vincennes 415 24,1 271 15,7 Mishawaka 412 27,1 218 14,5 Laporte 334 22,0 226 14,9 Elwood 298 27,6	South Bend	1,806			12.9
Hammond 976 27. 1 499 13. 8 Muncie. 842 23. 1 564 15. 4 Richmond. 432 16. 1 339 12. 6 Anderson. 655 22. 0 401 13. 4 Elkhart. 550 22. 7 351 14. 5 Michigan City 516 26. 5 266 13. 6 Lafayette 581 25. 8 469 20. 8 Kokomo. 722 24. 0 368 12. 2 Logansport 471 21. 8 321 14. 8 New Albany 496 21. 6 311 13. 5 Marion 551 23. 2 362 15. 2 Vincennes 415 24, 1 271 15. 7 Mishawaka 412 27. 1 218 14. 3 Peru 301 24. 2 181 14. 5 Laporte 334 22. 0 226 14. 9 Elwood				979	14.2
Muncie 842 23.1 564 15.4 Richmond 432 16.1 339 12.6 Anderson 655 22.0 401 13.4 Elkhart 550 22.7 351 14.5 Michigan City 516 26.5 266 13.6 Lafayette 581 25.8 469 20.8 Kokomo 722 24.0 368 12.2 Logansport 471 21.8 321 14.8 New Albany 496 21.6 311 13.5 Marion 551 23.2 362 15.2 Vincennes 415 24.1 271 15.7 Mishawaka 412 27.1 218 14.3 Peru 301 24.2 181 14.5 Laporte 334 22.0 226 14.9 Elwood 298 27.6 152 14.0 Elwood 287 20.5				505	14.0
Richmond 432 16.1 339 12.6 Anderson 655 22.0 401 13.4 Elkhart 550 22.7 351 14.5 Michigan City 516 26.5 266 13.6 Lafayette 581 25.8 469 20.8 Kokomo 722 24.0 368 12.2 Logansport 471 21.8 321 14.8 New Albany 496 21.6 311 13.5 Marion 551 23.2 362 15.2 Vincennes 415 24.1 271 15.7 Mishawaka 412 27.1 218 14.3 Peru 301 24.2 181 14.5 Laporte 334 22.0 226 14.9 Elwood 298 27.6 152 14.0 Huntington 287 20.5 196 14.0	Hammond			499	13.8
Anderson 655 22 0 401 13.4 Elkhart 550 22.7 351 14.5 Michigan City 516 26.5 266 13.6 Lafayette 581 25.8 469 20.8 Kokomo 722 24.0 368 12.2 Logansport 471 21.8 321 14.8 New Albany 496 21.6 311 13.5 Marion 551 23.2 362 15.2 Vincennes 415 24.1 271 15.7 Mishawaka 412 27.1 218 14.3 Peru 301 24.2 181 14.5 Laporte 334 22.0 226 14.9 Elwood 298 27.6 152 14.0 Huntington 287 20.5 196 14.0	Muncie	842	23.1	564	15.4
Anderson 655 22 0 401 13 4 Elkhart 550 22 7 351 14 5 Michigan City 516 26.5 266 13 6 Lafayette 581 25 8 469 20 8 Kokomo 722 24 0 368 12 2 Logansport 471 21 8 321 14 8 New Albany 496 21 .6 311 13 .5 Marion 551 23 .2 362 15 .2 Vincennes 415 24 .1 271 15 .7 Mishawaka 412 27 .1 218 14 .3 Peru 301 24 .2 181 14 .5 Laporte 334 22 .0 226 14 .9 Elwood 298 27 .6 152 14 .0 Huntington 287 20 .5 196 14 .0	Richmond	432	16.1	339	12.6
Michigan City 516 26.5 266 13.6 Lafayette 581 25.8 469 20.8 Kokomo 722 24.0 368 12.2 Logansport 471 21.8 321 14.8 New Albany 496 21.6 311 13.5 Marion 551 23.2 362 15.2 Vincennes 415 24.1 271 15.7 Mishawaka 412 27.1 218 14.3 Peru 301 24.2 181 14.5 Laporte 334 22.0 226 14.9 Elwood 298 27.6 152 14.0 Huntington 287 20.5 196 14.0		655	22.0	401	13.4
Lafayette 581 25.8 469 20.8 Kokomo. 722 24.0 368 12.2 Logansport. 471 21.8 321 14.8 New Albany 496 21.6 311 13.5 Marion. 551 23.2 362 15.2 Vincennes. 415 24.1 271 15.7 Mishawaka 412 27.1 218 14.3 Peru 301 24.2 181 14.5 Laporte 334 22.0 226 14.9 Elwood 298 27.6 152 14.0 Huntington 287 20.5 196 14.0	Elkhart	550	22.7	351	14.5
Lafayette 581 25.8 469 20.8 Kokomo. 722 24.0 368 12.2 Logansport. 471 21.8 321 14.8 New Albany 496 21.6 311 13.5 Marion. 551 23.2 362 15.2 Vincennes. 415 24.1 271 15.7 Mishawaka 412 27.1 218 14.3 Peru 301 24.2 181 14.5 Laporte 334 22.0 226 14.9 Elwood 298 27.6 152 14.0 Huntington 287 20.5 196 14.0	Michigan City	516	26.5	266	13.6
Kokomo 722 24.0 368 12.2 Logansport 471 21.8 321 14.8 New Albany 496 21.6 311 13.5 Marion 551 23.2 362 15.2 Vincennes 415 24.1 271 15.7 Mishawaka 412 27.1 218 14.3 Peru 301 24.2 181 14.5 Laporte 334 22.0 226 14.9 Elwood 298 27.6 152 14.0 Huntington 287 20.5 196 14.0	Lafavette	581	25.8	469	20.8
Logansport 471 21.8 321 14.8 New Albany 496 21.6 311 13.5 Marion 551 23.2 362 15.2 Vincennes 415 24.1 271 15.7 Mishawaka 412 27.1 218 14.3 Peru 301 24.2 181 14.5 Laporte 334 22.0 226 14.9 Elwood 298 27.6 152 14.0 Huntington 287 20.5 196 14.0		722	24.0	368	12.2
Marion. 551 23.2 362 15.2 Vincennes. 415 24.1 271 15.7 Mishawaka 412 27.1 218 14.3 Peru. 301 24.2 181 14.5 Laporte 334 22.0 226 14.9 Elwood. 298 27.6 152 14.0 Huntington. 287 20.5 196 14.0		471	21.8	321	14.8
Marion. 551 23.2 362 15.2 Vincennes. 415 24.1 271 15.7 Mishawaka 412 27.1 218 14.3 Peru. 301 24.2 181 14.5 Laporte 334 22.0 226 14.9 Elwood. 298 27.6 152 14.0 Huntington 287 20.5 196 14.0	New Albany	496	21.6	311	13.5
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		551	23 2		
Mishawaka 412 27.1 218 14.3 Peru. 301 24.2 181 14.5 Laporte 334 22.0 226 14.9 Elwood 298 27.6 152 14.0 Huntington 287 20.5 196 14.0					
Peru. 301 24.2 181 14.5 Laporte. 334 22.0 226 14.9 Elwood. 298 27.6 152 14.0 Huntington. 287 20.5 196 14.0		412	27 1		
Laporte 334 22 0 226 14 9 Elwood 298 27 6 152 14 0 Huntington 287 20 5 196 14 0					
Elwood. 298 27.6 152 14.0 Huntington. 287 20.5 196 14.0					
Huntington 287 20.5 196 14.0					
	Jeffersonville	195	19.3	131	12.9

TABLE No. 4

Deaths from Important Causes by Occupation, Year 1920

	Tubercu- losis (All Forms)	Typhoid Fever	Lobar and Broncho- Pneumonia	Cancer	External Causes
Agriculture, Forestry and Animal Husbandry. Extraction of Minerals. Manufacturing and Mechanical Industries Transportation (All Forms). Trade (All Kinds) of Merchants and Clerks Public Service. Professional Service Domestic and Personal Service Clerical (In Offices). None Given	290 22 650 66 100 15 50 1,135 51 772	29 3 50 4 8 7 60 5 116	410 34 600 40 99 18 35 1,075 19 1,820	455 15 300 45 150 25 40 1,050 20 492	300 125 675 110 100 16 45 390 16 653
By Sex and Color Males. Females White. Colored. Comparison—Rural and Urban	1,500 1,651 2,851 300	157 125 268 14	2,140 2,010 3,870 280	1,050 1,542 2,522 70	1,760 670 2,310 120
50 Cities, Population 1,304,468	1,509 115.6 1,642 100.9	134 10.2 148 9.1	2,235 171.3 1,915 117.7	1,197 91.7 1,395 85.7	1,199 91.9 1,231 75.7

TABLE No. 5

Number of Births and Rates Per 1,000 Population by Counties for Year 1920

	Number	Rate	CENTRAL COUNTIES—Continued	
STATE OF INDIANA	64, 809	22.1	Number	Rate
Northern Counties	24 382	23.1	Johnson 407	19.6
			Madison	23.4
Adams		23.1	Marion	21.6
Allen		20.6	Monroe	25.4
Benton		25.8	Montgomery 543	19.1
Blackford		26.2	Morgan	22.2
Carroll		20.2	Owen	21.7
Cass		20.0	Parke	18.1
Dekalb		20.3	Putnam 407	20.5
Elkhart		22.8	Randolph	21.6
Fulton		18.9	Rush	19.7
Grant		22.4	Shelby	19.7
Howard		23.5	Tippecanoe	20.7
Huntington		20.5	Tipton	21.7
Jasper		23.7 22.2	Union	20.6
Jay			Vermillion	22.1
Kosciusko		$\frac{22.1}{19.2}$	Vigo	22.1 20.2
Lagrange		28.7	Warren	19.5
LakeLaporte		22.6	Wayne 938	19.5
Marshall		21.7	SOUTHERN COUNTIES	22.1
		22.7		
Miami Newton		25.7	Clark	19.8
Noble		19.7	Crawford	22.6
Porter		23.0	Daviess	26.6
Pulaski		21.9	Dearborn	20.1
Starke		23.5	Dubois	26.3
Steuben		17.7	Floyd	20.0
St. Joseph		25.0	Gibson	21.7
Wabash :-		19.8	Greene	23.4
Wells		21.4	Harrison	20.9
White		23.7	Jackson 562 Jefferson 359	23.2
Whitley		20.2	UOLOGODITI I I I I I I I I I I I I I I I I I I	17.3 21.0
•	010	20.2	our services and services are services and services and services and services and services are services are services and services are s	24.6
CENTRAL COUNTIES	25, 900	20.4	Knox	28.4
Bartholomew	429	17.9	Martin. 244	20.6
Boone		20.1	Ohio	17.1
Brown		18.2	Orange	23.3
Clay		22.1	Perry 429	25.7
Clinton		20.7	Pike	24.2
Decatur		20.9	Posey 433	22.4
Delaware		22.3	Ripley	17.9
Fayette		23.7	Scott	21.3
Fountain.		22.6	Spencer	21.5
Franklin.		18.7	Sullivan	25.7
Hamilton		19.9	Switzerland 190	20.4
Hancock		17.8	Vanderburgh	25.7
Hendricks		18.3	Warrick. 410	20.6
Henry		21.9	Washington	. 20.9

TABLE No. 6

Number of Deaths and Rates Per 1,000 Population by Counties for Year 1920

	Number	Rate	CENTRAL COUNTIES—Continued		
STATE OF INDIANA	. 39, 430	13.4		Number	Rate
NORTHERN COUNTIES	19 004	12.0	Johnson		14.5
NORTHERN COUNTIES	. 10, 994	13.3	Madison	926	13.4
Adams	. 219	10.3	Marion	5,118	14.7
Allen	. 1,488	13.0	Monroe	326	13.3
Benton	. 118	9.7	Montgomery	361	12.7
Blackford	. 164	11.6	Morgan	283	14.1
Carroll	. 206	12.6	Owen	162	12.7
Cass.`	. 587	15.2	Parke	264	13.9
Dekalb	334	13.0	Putnam	240	12.1
Elkhart	. 795	14.1	Randolph	324	12.2
Fulton	. 219	13.3	Rush	240	12.5
Grant	. 827	16.1	Shelby	335	12.9
Howard	. 509	11.6	Tippecanoe	781	18.2
Huntington	407	12.9	Tipton	176	10.9
Jasper	. 177	12.7	Union	77	12.8
Jay	. 339	14.5	Vermillion	290	10.5
Kosciusko	374	13.8	Vigo	1,444	14.4
Lagrange	. 188	13.4	Warren	104	10.7
Lake	. 2,186	13.7	Wayne	735	15.2
Laporte	. 679	13.5			
Marshall	. 291	12.3	Southern Counties	8,564	13.0
Miami	. 394	13.7	Clark	334	11.4
Newton		10.8	Crawford		14.9
Noble		13.7	Daviess	314	11.7
Porter		11.7	Dearborn	284	14.2
Pulaski	. 128	10.3	Dubois	226	11.3
Starke		13.3	Floyd	374	12.2
Steuben		12.1	Gibson.	369	12.6
St. Joseph	,	13.3	Greene	422	11.5
Wabash		12.9	Harrison	192 ~	10.3
Wells		13.6	Jackson	331	13.7
White		11.9	Jefferson	402	19.4
Whitley	. 198	12.6	Jennings	170	12.8
Correct Correction	10 070	19.0	Knox	609	13.2
CENTRAL COUNTIES	. 10, 872	13.9	Lawrence	418	14.8
Bartholomew	. 298	12.5	Martin	157	13.2
Boone	278	11.8	Ohio	51	12.7
Brown	. 80	11.4	Orange	233	13.7
Clay	343	11.6	Perry	174	10.4
Clinton	367	13.2	Pike.	234	12.5
Decatur	250	14.0	Posey	225	11.6
Delaware	832	14.8	Ripley	237	12.7
Fayette	242	14.1	Scott	89	11.9
Fountain	219	11.6	Spencer	197	10.7
Franklin	156	10.5	Sullivan	405	12.8
Hamilton	310	12.8	Switzerland	121	12.9
Hancock	216	12.6	Vanderburgh	1,369	14.8
Hendricks		12.9	Warrick	240	12.1
Henry	533	15.4	Washington	219	13.2

TABLE No. 7

Marriages in Indiana (By Counties) During Years 1917, 1918, 1919 and 1920

STATE TOTAL	1917	1918	1919	1920	Counties	1917	1918	1919	1920
Counties		29,824		42,636	Laporte	606	390	592	668
0.04	,	,	0.,002	,000	Lawrence	273	194	302	361
Adams	182	125	199	188	Madison	807	604		859
Allen	1,101	791	1, 149	1,322	Marion	4,601	3,690	4,784	5,564
Bartholomew	194	195	268	279	Marshall	259	181	228	190
Benton	106	83	100	105	Martin	91	69	87	109
Blackford	125	96	122	151	Miami	289	214	279	334
Boone	183	. 157	235	205	Monroe	261	183	280	279
Brown	61	47	41	59	Montgomery	306	215	273	304
Carroll	153	133	174	146	Morgan	231	131	230	267
Cass	370	310	400	473	Newton	69	54	66	97
Clark	2,657	3,121	3,255	3,448	Noble	181	134	161	195
Clay	434	350	418	464	Ohio	51	45	67	53
Clinton	252	210	317	350	Orange	132	117	170	152
Crawford	101	79	132	117	Owen	103	103	125	133
Daviess	248	186	284	289	Parke	300	114	154	171
Dearborn	242	202	221	260	Perry	204	138	212	176
Decatur	164	124	198	173	Pike	143	107	162	161
Dekalb	192	141	221	203	Porter	419	307	281	349
Delaware	643	463	672	798	Posey	280	223	143	319
Dubois	110	81	150	174	Pulaski	97	90	121	123
Elkhart	592	437	606	604	Putnam	208	170	203	214
Fayette	159	103		225	Randolph	273	200	270	266
Floyd	342	352	479	493	Ripley	116	78	141	138
Fountain	250	207	243	310	Rush	155	127	188	209
Franklin	100	· 77	99	122	Scott	75	58	103	109
Fulton	113	106	145	136	Shelby	280	211	260	317
Gibson	294.	223	590	306	Spencer:	274	258	335	395
Grant	634	466	628	. 623	Starke	87	114	87	90
Greene,	356	304	390	382	Steuben	94	103	96	112
Hamilton	245	190	232	246	St. Joseph	1,019	770	1,228	1,412
Hancock	237	174	227	254	Sullivan	237	218	322	345
Harrison	113	114	142	110	Switzerland	48	51	52	52
Hendricks	203	98	144	182	Tippecanoe	459	399	459	492
Henry	374	258	401	394	Tipton	156	118	169	179
Howard	476	330	596	619	Union	33	42	. 45	43
Huntington	292	127	287	318	Vanderburgh	1,177	915	1,254	1,489
Jackson	202	123	193	168	Vermillion	169	248	196	173
Jasper	130	88	122	148	Vigo	1,450	1,371	1,585	1,720
Jay	225	184	233	· 217	Wabash	301	183	275	266
Jefferson	224	171	240	239	Warren	110	76	99	96
Jennings	125	94	. 117	131	Warrick	220	182	205	189
Johnson	209	188	233	250	Washington	113	148	129	115
Knox	556	416	580	706	Wayne	443	359	508	525
Kosciusko	261	169	250	230	Wells	183	130	183	222
Lagrange	125	88	125	126	White	137	115	153	142
Lake	4,802	4,028	3,786	5,600	Whitley	143	75	141	119

TABLE No. 8

Deaths From Tuberculosis (All Forms), 1920

	Total	Rate	CENTRAL COUNTIES—Continued		
State	3,151	107.7		Total	Rate
Males	1.500		Hendricks		103.4
Females.			Henry	38	109.5
White	2.860		Johnson	22	106.0
Colored	291		Madison	85	122.9
Northern Counties	983	94.3	Marion	467	134.1
NORTHERN COUNTIES			Monroe Montgomery	$\frac{32}{26}$	130.5 91.2
Adams	17	82.9	Morgan	22	109.9
Allen	118	103.2	Owen	16	125.4
Benton	1	8.1	Parke	27	143.0
Blackford	12	85.2	Putnam	12	60.3
Carroll	13	79.6	Randolph	26	98.1
Cass	39	101.2	Rush	10	51.9
Dekalb	18 48	70.3 85.1	Shelby	33	127.0
Elkhart	48 14	84.9	Tippecanoe	39	91.0
FultonGrant	75	146.0	Tipton	14	86.6
Howard	49	111.4	Union	. 3	49.8
Huntington	24	75.7	Vermillion	18	65.2
Jasper	8	57.3	Vigo	82	81.8
Jav	22	94.3	Warren	9	92.7
Kosciusko	14	51.6	Wayne	40	83.0
Lagrange	10	71.3	SOUTHERN COUNTIES	841	122.4
Lake	141	88.1	SOUTHERN COUNTIES	041	122.4
Laporte	47	93.1	Clark	39	132.7
Marshall	18	75.8	Crawford	28	249.9
Miami	32	111.6	Daviess	31	115 4
Newton	7	69.0	Dearborn	23	115.0
Noble	. 19	84.5	Dubois	20	100.4
Porter	13	64.1	Floyd	46	150.0
Pulaski	8	64.5	Gibson	40	136.9
Starke	11	107.2	Greene		114.2
Steuben		52.3	Harrison		101.8
St. Joseph	148	143.2	Jackson		111.4
Wabash	17	62.4	Jefferson		164.1
Wells		63.3	Jennings		112.9
White	12	69.1	Knox		75.6
Whitley	10	63.8	Lawrence		138.1 160.1
CENTRAL COUNTIES	1,325	108.8	Martin		74.5
		100.4	Orange		153.1
Bartholomew	24	100.4	Perry		137.7
Boone	19	80.6 128.2	Pike		139.1
Brown		91.6	Posey		139.6
	23	82.9	Ripley		101.6
Clinton	30	168.4	Scott		175.1
Delaware		95.7	Spencer		130.4
Fayette		151.6	Sullivan		56.9
Fountain		79.6	Switzerland		171.8
Franklin		94.5	Vanderburgh		160.3
Hamilton		127.9	Warrick		105.7
Hancock	11	63.9	Washington	20	120.1

TABLE No. 9

Deaths From Typhoid Fever (All Forms), 1920

	Total	Rate	CENTRAL COUNTIES—Continued		
STATE	282	9.6		Total	Rate
Males	157		Hendricks		
Females.	125		Henry	1	2.8
White	286		Johnson	3	14.4
Colored	14		Madison	5	7.2
			Marion	21	6.0
NORTHERN COUNTIES	117	11.0	Monroe	9	36.7
Adams	4	19.5	Montgomery		
Allen	15	13.1	Morgan	1	4.9
Benton			Owen	1	7.8
Blackford	2	14.2	Parke	2	10.5
Carroll	1	6.1	Putnam	2	10.0
Cass		23.3	Randolph	1	3.7
Dekalb	1	3.9	Rush	1	5.1
Elkhart	5	8.8	Shelby		
Fulton	3	18.2	Tippecanoe	3	7.0
Grant.	2	3.8	Tipton	1	6.1
Howard	5	11.3	Union		
Huntington	6	18.9	Vermillion	1	3.6
Jasper			Vigo	8 .	7.9
Jay	•		Warren		
Kosciusko	2	7.3	Wayne	3	6.2
Lagrange					
Lake	37	23.1	Southern Counties	86	13.1
Laporte	2	3.9	Clark	. 0	0.0
Marshall			Clark	2 2	6.8
Miami	. 4	13.9		_	17.8
Newton			Daviess	• •	
Noble	• •		Dearborn		
Porter	2	9.8	Dubois	2	
Pulaski	1	8.0	Floyd		6.5
			Gibson	4	13.7
Starke	4	29.9	Greene	8	21.7
SteubenSt. Joseph	3	2,9	Harrison	2	10.7
	3	11.0	Jackson	5	20.6
Wabash	3 2	14.6	Jefferson	3	14.4
Wells			Jennings		
White	3	19.1	Knox	13	28.1
Whitley	э	19.1	Lawrence	7	24.8
CENTRAL COUNTIES	79	6.5	Martin	2	16.8
,			Ohio		41.0
Bartholomew	2	8.3	Orange	-7 2	41.2
Boone	1	4.2	Perry	_	11.9
Brown	1	14.2	Pike	5	26.7
Clay			Posey	1	5.1
Clinton			Ripley		5.3
Decatur	1	. 5 6	Scott		F 4
Delaware	5	8.8	Spencer	1	5.4
Fayette	1	5.8	Sullivan	6	18.9
Fountain	1	5.3	Switzerland	2	21.1
Franklin	1	6.7	Vanderburgh	10	10.8
Hamilton	1	4.1	Warrick		e 1
Hancock	2	11.6	Washington	. 1	6.1

TABLE No. 10

Deaths From Cancer (All Forms), 1920

	7T 4 1	70.4	G G Gti1		
~	Total	Rate	CENTRAL COUNTIES—Continued	Total	D. C.
State	2,592	88.4	Wandalaha :	28	Rate 137.9
White	2,524		Hendricks	23	66.3
Colored	68		Henry	25 17	
Males.:	1,050		Johnson		81.9 79.5
Females	1,542		Madison	. 337	96.8
NORTHERN COUNTIES	942	89.2	Monroe	20	81.6
NORTHERN COUNTIES	942	69.4	Montgomery.	28	98.3
Adams	17	82.9	Morgan	12	59.9
Allen	109	95.4	Owen	12	94.0
Benton	17	139.3	Parke	19	100.6
Blackford	11	78.1	Putnam	22	110.7
Carroll	18	110.3	Randolph	23	86.8
Cass	39	101.2	Rush.	20	103.9
Dekalb	33	125.0	Shelby	26	100.1
Elkhart	.59	104.6	Tippecanoe	64	149.4
Fulton	22	133.4	Tipton.	14	96.6
Grant	46	89.6	Union.	5	83.0
Howard	28	63.7	Vermillion	13	47.1
Huntington	24	78.5	Vigo	72	71.8
Jasper	13	93.1	Warren	7	72.2
Jav	27	115.8	Wayne	71	147.8
Kosciusko	31	114.3			
Lagrange	18	128.5	Southern Counties	506	76.9
La'ke	81	50.6			
Laporte	52	103.1	Clark	29	98.7
Marshall	17	71.9	Crawford	6	53.6
Miami		108.1	Daviess	17	63.3
Newton	10	98.6	Dearborn	24 .	120.0
Noble Porter	28 20	124.6 98.7	Dubois	8	40.2
Pulaski			Floyd	21	68.5
Starke		40.4 97.3	Gibson	19	65.1
Steuben		89.8	Greene	20	54.4
St. Joseph		74.5	Harrison	7	37.5
Wabash		110.2	Jackson	31 19	127.9 91.7
Wells		82.8		,	60.2
White	21	121.0	Jennings	8 32	69.2
Whitley		121.4	Lawrence	17	60.2
		121.1	Martin	7	58.9
CENTRAL COUNTIES	1,144	93.9	Ohio	5	124.3
Bartholomew	23	96.3	Orange	10	58.9
Boone		90.3	Perry	9	53.9
Brown	3	42.7	Pike.	12	64.2
Clay		64.5	Posey	10	51.7
Clinton		118.9	Ripley	17	90.9
Decatur		72.9	Scott	14	188.6
Delaware		102.9	Spencer	18	.97.9
Fayette		87.5	Sullivan	7	22.1
Fountain		79.1	Switzerland.	6	64.4
Franklin		101.3	Vanderburgh	89	96.4
Hamilton		103.2	Warrick	16	80.6
Hancock,,,,,		92.9	Washington	18	108.1

TABLE No. 11

Deaths from all Causes (abridged)—Five Years Comparison

	1916	1917	1918	1919	1920
Total Deaths from all Causes	38,249	39,785	46,361	37,077	39,430
CAUSES NOT OTHERWISE SPECIFIED	2,992	3,149	3,232	3,096	3,289
Typhoid Fever	604	497.	398	338	282
Smallpox	1	14	24	12	15
Measles	204	550	120	70	286
Scarlet Fever	96	143	117	79	198
Whooping Cough	252	251	469	64	261
Diphtheria and Croup	386	44	428	320	358
Influenza	968	565	6,301	2,929	2,290
Pulmonary Tuberculosis	3,259	3,435	3,408	2,780	2,659
Other Forms Tuberculosis	564	545	561	· 488	492
Syphilis	227	282	244	206	189
Cancer and other Malignant Tumors	2,383	2,542	2,558	2,518	2,592
Acute and Chronic Rheumatism	190	160	205	186	202
Diseases of the Nervous System and of the Organs of Special					
Sense.	4,060	4,312	4,374	4,226	4,403
Organic Heart Disease (All Forms)	4,758	5,160	4,873	4,102	4,370
Diseases of the Arteries (Arterio Sclerosis)	795	910	1,109	1,024	1,213
Acute and Chronic Bronchitis	369	424	300	307	331
Pneumonia, (All Forms)	3,318-	3,714	5,640	3,348	4,150
Diseases of the Stomach (Cancer excepted)	500	448	522	463	460
Diarrhoea and Enteritis (Under 2 Years)	1,679	1,478	1,240	1,028	1,032
Diarrhoea and Enteritis (Over 2 Years).	453.	399	444	376	357
Cirrhosis of the Liver	373	369	265	217	215
Other Diseases of the Liver	185	181	253	226	237
Acute Nephritis and Bright's Disease.	3,026	3,180	2,791	2,789	2,951
Non-venereal Diseases of the Genito-Urinary System and Annexa	496	399	459	440	478
The Puerperal State	443	414	525	428	485
Diseases of the Skin and of the Cellular Tissue	117	110	136	135	152
Diseases of the Bones and of the Organs of Locomotion	66	67	62	58	72
Malformations	546	543	468	419	444
Early Infancy	1,772	1,828	1,824	1,704	1,983
Senility.	250	230	296	340	416
Suicides	484	423	339	364	327
Accidental Deaths	2,270	2,401	2,198	1,804	1,968
Homicides	143	194	109	130	135
Unknown or Ill-defined Diseases	20	24	69	67	109

TABLE No. 12

TUBERCULOSIS (All Forms)

Deaths by Months with Comparison for 10 Years

Monres	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
TOTAL	4,230	4,148	4,100	4,077	4,021	3,824	3,980	3,969	3,268	3, 151
Rate per 100,000 Pop	156.3	147.8	147.7	145.5	141.9	133.2	137.4	136.3	110.8	107.7
January. February March April May June July August September October	399 376 424 401 370 361 374 339 267 306	376 388 452 397 375 303 318 286 269 393	371 332 427 392 397 339 341 328 281 296	328 375 397 398 389 337 335 301 317 304	372 361 418 383 403 322 308 291 272 281	333 341 410 373 359 339 293 276 257 286	338 373 414 388 388 348 273 317 263 304	323 350 420 461 361 336 287 277 250 283	346 319 324 315 329 243 276 220 208 221	297 366 315 328 311 253 244 223 196 211
November	303 310	280 311	297 299	276 320	278 332	266 291	257 317	294 327	206 261	197 210

Tuberculosis (All Forms)

Deaths by Ages with Comparison for Past 10 Years

Ages	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Under 1 year	139 72 33 25 11 64 81 339 529 520 415 379	143 79 46 35 14 67 89 267 511 549 410 340	133 88 27 26 22 82 83 293 479 485 433 355	104 70 46 26 15 61 72 261 487 489 467 335	73 74 42 21 23 64 77 307 470 498 409 352	89 66 24 19 18 66 91 292 458 479 380 348	87 88 24 15 17 59 84 285 474 472 375 358	64 555 19 13 7 68 90 322 509 506 361 344	42 31 32 21 11 35 68 287 402 415 323 318	71 44 20 19 14 49 62 284 400 371 295 295
35 to 39 years	317 216 244 191	283 204 211 171	282 231 239 193	290 235 246 221	296 234 260 204	253 216 190 197	283 270 201 221	304 259 193 185	224 194 159 181	203 203 168 143
60 to 64 years	176 186 151 89 49	167 193 141 82 52	189 163 152 103 45	171 196 150 81 45	190 156 134 89 32	163 204 151 60 55	168 198 174 93 25	173 176 138 75 49	146 142 98 83 55	137 155 • 99 86 30
90 years and over	4	4	4	9	16	4 .	9	3	1	3

TABLE No. 13

PULMONARY TUBERCULOSIS

Deaths by Months with Comparison for 10 Years

Monrhs	1911	1912	1913	-1914	1915	1916	1917	1918	1919	1920
Total	3,525 132.8	3,364 125.2	3,473 124.1	3,471 124.1	3,444 121.8	3,259 113.8	3,435 118.8	3,408 117.0	2,780 94.3	2,659
January February March April May June July August September	340	318	323	289	326	297	304	282	306	254
	320	333	289	340	314	312	327	297	280	328
	369	385	372	339	371	355	366	365	281	280
	331	321	349	342	319	318	335	394	277	286
	306	322	325	323	344	306	355	301	278	265
	310	252	288	292	269	281	279	291	211	206
	300	270	283	283	272	242	239	242	216	199
	283	244	274	254	241	217	261	230	177	188
	208	196	232	259	248	213	223	202	177	154
October	244	234	235	251	249	241	250	245	183	159
November	256	226	243	234	241	229	217	260	173	165
December	258	263	260	265	280	248	279	299	221	175

PULMONARY TUBERCULOSIS

Deaths by Ages with Comparison for 10 Years

Ages	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Under 1 year. 1 year. 2 years. 3 years. 4 years. 5 to 9 years. 10 to 14 years. 15 to 19 years. 20 to 24 years. 25 to 29 years. 34 to 39 years. 44 to 39 years. 45 to 49 years. 56 to 54 years. 56 to 69 years. 60 to 64 years. 60 to 64 years. 70 to 74 years. 75 to 79 years. 80 to 89 years.	52 22 13 5 4 26 53 290 480 474 375 333 263 192 206 159 151 168 136 78	53 32 16 7 4 29 57 229 451 507 370 301 253 186 183 147 141 160 72 47	55 34 11 17 47 41 56 260 439 455 381 320 249 207 201 169 156 136 136 126 86	45 15 14 7 10 23 49 230 449 452 426 305 201 221 220 148 171 130 67 39	34 27 15 7 7 28 51 264 433 452 369 325 270 210 228 180 168 146 112 78	36 20 8 4 9 32 63 261 405 445 354 312 232 189 170 166 135 184 131 50	35 22 11 5 24 54 255 435 431 350 325 243 252 199 170 169 145 95	29 21 14 13 7 61 282 447 475 329 312 225 202 175 159 159 148 122 643	18 6 7 8 3 17 45 254 375 380 280 288 200 159 137 156 120 125 86 73 42	31 21 5 3 3 5 21 39 250 360 360 270 175 165 145 115 120 135 90 75 26
90 years and over	4	4	4	6		2		3	1	3

TABLE No. 14

TYPHOID FEVER

Deaths by Months with Comparison for 10 Years

Монтня	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Total	736	652	701	591	415	604	497	398	338	282
Rate per 100,000 Pop	27.2	23.8	25.3	21.1	14.6	21.1	17.1	13.7	11.5	9.6
January	44	29	27	38	35	28	36	19	12	16
February	42	42	27	39	23	32	28	16	20	19
March	36	42 33	27 28	44 38	29 20	36	22	24	21	14
April	47 31	35	28 33	22	16	40 28	18 22	26 20	16 19	9 18
MayJune	28	30	26	32	17	16	23	23	21	21
July	78	33	48	37	19	38	33	23	29	21
August	109	70	116	69	48	86	64	48	42	32
September	91	102	97	71	59	122	98	48	51	35
October	99	109	125	78	55	96	70	77	42	41
November	77	81	90	78	56	45	49	45	50	30
December	54	46	57	45	38	37	34	29	15	26

Typhoid Fever

Deaths by Ages with Comparison for 10 Years

TABLE No. 15

DIPHTHERIA AND CROUP

Deaths by Months with Comparison for 10 Years

Монтна	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
TOTAL	374 13.8	518 18.9	516 18.7 ·	385	302 10.6	386 13.5	444 15.3	428 14.7	320	358 12.2
January February March April May June July August September October November	40 31 22 17 9 18 13 13 32 78 54	25 29 25 19 19 17 10 25 68 107 106	70 53 27 22 33 23 21 37 44 59 76	46 41 35 21 21 13 11 21 28 39 52 57	33 30 21 14 8 11 17 10 23 43 47 45	40 24 18 21 10 10 5 19 40 66 69 64	46 33 30 34 24 20 24 22 33 64 52	64 45 43 47 25 14 21 24 31 35 40	37 26 34 21 20 20 20 15 17 29 44	42 26 24 22 25 11 16 9 18 50 48 67

DIPHTHERIA AND CROUP

Deaths by Ages with Comparison for 10 Years

Ages	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Under 1 year	21 35 53 49 51 110	23 61 63 55 52 167	26 47 53 61 44 170	27 42 55 35 35 135	13 30 33 34 25 104	19 41 45 46 37 119	10 34 53 47 48 141	22 49 48 49 45 132	8 31 28 36 37 107	17 33 28 44 27 128
10 to 14 years	34 7 3 2	52 11 14	67 20 6	35 9 1	36 13 3	43 13 9	62 15 11	35 12 9	39 12 3	47 10 6
25 to 29 years. 30 to 34 years. 35 to 39 years.	2 3 1	7 7 3	3 · 5 5	2 3 1	. 4 . 1	5 3 4	9 3 1	5 2 4	7 8 2	5 1 5
40 to 44 years		2	2	1	3		5 2 2	1 3		1
55 to 50 years				1	1	2	1	1	2	3
65 to 69 years		1	. 4	3	1	Z.				2

TABLE No. 16

SCARLET FEVER

Deaths by Months with Comparison for 10 Years

Монтня	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Total	172	113	199	114	102	96	144	117	79	198
Rate per 100,000 Pop	6.6	4.1	7.1	4.0	3.6	3.3	4.9	4.0	2.7	6.6
January February March April May June July August	26 19 33 23 17 12 5	7 14 7 15 4 4 4 5	15 22 36 26 21 18 5	18 7 10 21 4 5 4	14 10 19 15 4 2	13 14 11 14 7 4	13 15 17 18 25 12 5	25 17 18 18 10 7	7 10 15 7 11 4 1	18 41 29 16 22 11 8
September October November December	10 7 5 11	5 10 14 24	8 13 13 15	6 9 9 21	2 3 7 12 13	9 4 7 11	4 8 12 13	3 3 6 5	4 4 4 9	12 12 19 16

Scarlet Fever

Deaths by Ages with Comparison for 10 Years

Ages	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Under 1 year	18 10 5 2 3 1	5 14 12 16 10 29 11 5 2 6 1 1	7 12 19 21 13 68 29 13 6 5 2 3	4 15 15 7 9 40 10 5	9 13 8 16 6 29 12 4 2	9 9 10 13 6 27 8 6 2 2 2 3 1	12 13 22 16 10 35 20 5 4 2 2 2 2	4 14 11 9 12 30 18 11 2 2 1	2 1 4 13 4 28 7 8 7 2 1 1 1	7 14 16 15 19 57 24 18 11 7 5 4

TABLE No. 17

MEASLES

Deaths by Months with Comparison for 10 Years

Months	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Total Rate per 100,000 Pop	280	73	461 16.6	151 5.4	69	204	550 19.0	120 4.1	70	286
January February March April May June July	19 32 61 92 44 14	• 9 5 7 14 12 11 7	26 55 87 103 92 55	10 16 24 29 28 20 7	3 5 6 13 13 8	12 24 26 45 38 29 13	32 75 140 154 92 36 12	10 12 20 29 26 13	5 8 14 15 11 5	17 47 67 61 60 23 4
August September October November December	4 3 1	3 1 1 3	12 2 1 3 9	4 1 4 6 2	1 2 6 10	1 2 3 5 5	1 1 2 2 2	1 1 1 3 2	1 1 4 5	2 3

Measles

Deaths by Ages with Comparison for 10 Years

Ages	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
. Under 1 year	52 66	10	104 103	38 35	13 16	36 49	110 144	24 22	17 22	72 65
2 years 3 years 4 years	31 19 7	6 5 1	59 34 24	23 7 6	11 6 3	24 9 11	52 35 21	16 7 3	4 2 5	34 22 14
5 to 9 years	34 11 5	9 5 2	50 16 18	15 7 2	8 3 3	$\frac{27}{3}$ 12	54 25 28	14 9 5	5 2 6	22 12 13
20 to 24 years	13 7	3 1 4	8 7 5	$\frac{2}{1}$	2	6 4 7	13 9 10	3 4 2	1	5 2 2
35 to 39 years	$^{9}_{7}_{2}$	2 2 2	12 3 4	$\begin{array}{c}4\\3\\2\end{array}$	1	3 3 3	9 11 5	$egin{array}{c} \dots \dots & 4 \ 2 \end{array}$	1	8 3 4
50 to 54 years	$\frac{2}{4}$	2	2 5 4	1	2	$egin{array}{c} 2 \\ 1 \end{array}$	7 4 2	1	$egin{array}{c} 1 \ \cdots \ 2 \end{array}$	2 1 3
65 to 69 years	3					3 1	2 4 2	1 1	i	1 1
80 to 90 years		. 1		1		•••••	3		1	

TABLE No. 18

PNEUMONIA (All Forms)

Deaths by Months with Comparison for 10 Years

Months	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
TOTAL	2,612	2,838	2,672	2,860	3,098	3,318	3,714	5,640	3,348	4, 150
Rate per 100,000 Pop	96.6	103.7	96.3	102.1	109.6	115.9	128.4	193.7	113.5	141.6
January	484 422	483 413	444	447 370	434 580	705 432	707 669	519	536 471	624 1.266
February March	373	441	414 452	510	566	472	613	363 466	832	566
AprilMay	338 172	323 154	271 184	457 210	396 138	366 209	356 253	565 277	423 210	289 331
July	56 56	71 60	99 85	88 70	91 64	100 67	129 96	73 72	73 56	134 88
AugustSeptember	62 82 -	81 93	63	73 65	42 86	61 114	70 107	63 136	48 68	80 70
October November	116 203	167 210	128 214	109 180	124 212	164 271	125 253	1,284	121 174	130 217
December	248	342	247	281	365	357	336	939	336	355

PNEUMONIA (All Forms)

Deaths by Ages with Comparison for 10 Years

Ages	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Under 1 year 1 year 2 years 3 years 4 years 5 to 9 years 15 to 19 years 25 to 29 years 25 to 29 years 30 to 34 years 40 to 44 years 45 to 49 years 50 to 54 years 50 to 55 years 50 to 55 years	595 167 71 44 27 55 29 62 49 52 68 65 77 69	713 221 105 30 25 60 34 44 57 53 61 62 87 79 98	647 193 77 57 20 76 31 40 42 52 59 62 83 71	695 204 71 45 22 61 39 54 34 43 72 71 86	801 182 83 38 20 71 30 54 49 64 62 77 78 96	648 196 93 41 24 74 39 71 67 72 67 102 98 109	764 270 89 64 22 69 48 57 72 85 75 123 100 140	775 322 149 92 52 150 125 278 423 586 517 375 198 153 151	655 178 84 56 35 130 65 85 157 232 192 176 93 106	790 265 120 57 41 30 55 95 149 260 205 190 140 130
55 to 59 years. 60 to 64 years. 65 to 69 years. 70 to 74 years. 75 to 79 years. 80 to 90 years. 90 years and over.	108 131 147 209 189 254 28	110 126 161 198 207 258 49	104 105 134 215 218 242 35	116 177 190 197 184 285 51	128 152 179 237 245 287 41	139 205 220 247 285 348 60	181 210 229 265 320 375 21	124 172 184 176 175 227 38	115 148 153 200 136 209 29	175 176 225 277 265 335 34

TABLE No. 19

DIARRHOEAL DISEASES (Under 2 Years of Age)

Deaths by Months with Comparison for 10 Years

Монтня	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
TOTAL	1,629	1,628	1,732	1,627	1, 156	1,679	1,478	1,240	1,028	1,032
Rate per 100,000 Pop	60.3	59.5	66.1	58.2	40.9	58.7	51.1	42.6	34.8	35.2
January February March April May June July August September October November December	54 42 52 52 57 141 357 285 260 208 75	50 45 50 53 45 57 272 376 360 218 68 34	42 38 61 63 50 104 339 426 229 249 84 47	59 42 54 58 76 91 279 320 295 223 89 41	50 45 54 61 51 51 141 198 220 151 77	57 57 71 73 71 82 274 351 331 191 75 46	49 42 72 65 60 60 212 346 335 129 53 55	53 73 97 73 59 52 138 242 233 131 48	48 47 48 42 38 60 144 165 166 157 81 32	48 43 56 37 42 42 68 157 231 207 72 29

DIARRHOEAL DISEASES (Over 2 Years of Age)

Deaths by Months with Comparison for 10 Years

Months	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
TOTAL	472	566	506	460	383	453	399	444	376	357
Rate per 100,000 Pop	18.2	20.7	18.2	16.4	13.5	15.8	13.8	15.2	12.8	12.1
January February	20 27	25 34	22 19	33 22	22 14	21 19	22 14	22 24	11 9	. 15
March	29 32 23	35 27 29	25 18 25	24 29 21	21 27 17	24 18 21	13 24 24	37 30 28	15 22 16	33 25 15
JuneJuly	35 66 70	29 66 112	48 76 108	29 63 84	20 38 62	24 78 75	29 47 75	23 51 78	15 48 87	18 29 59
August	51 48	102 56	68 51	61 41	59 49	90 42	78 34	80 33	62 50	45 47
November	31 40	30 21	31 15	30 23	24 30	25 16	12 27	20 18	21 20	28 19

TABLE No. 20

INFLUENZA (LAGRIPPE)

Deaths by Months with Comparison for 10 Years

Months	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Total	707	421	406	292	509	968	565	6,301	2,929	2,290
Rate per 100,000 Pop	24.4	15.3	14.6	10.4	18.0	33.8	19.5	216.4	99.4	78.1
JanuaryFebruary	197 172	72 98	143 68	47 51	55 123	432 236	111 182	72 71	925 554	311 1, 284
March. April.	154 90	74 46	83	71 57	137 76	131 55	105 59	70 127	948 269	431
May June	19	9 7	20 6	28	23	28 17	24 13	54	64 26	46 24
JulyAugust	1 4	6	4 3	3	3	7 3	3 3	1 7	13 17	13
SeptemberOctober	7	6 11	3 5	3 2	6	7	6 5	64 2,092	18	6 6 15
November	23 37	18 73	15 17	6 21	10 68	23 25	15 39	1,767 1,970	32 33	18 31

INFLUENZA (LAGRIPPE)

Deaths by Ages with Comparison for 10 Years

Ages	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Under 1 year	42	33	21	19	40	49	52	363	260	195
1 year	15 8	10 7	10	9	. 7	19 9	16	298 196	154 105	105 43
2 years	7	2	0	1	3	7	4	125	171	27
4 years	2	4	· 1		4	i		122	36	16
5 to 9 years	10	9	5	5	12	13	8	297	154	70
10 to 14 years	4	3	4	4	4	. 11	7	250	82	45
15 to 19 years	15	7	4	4	9	.8	7	278	174	115
20 to 24 years	16	. 8	$ \cdot \leq 7$	9	8	15	9	704	235	140
25 to 29 years	8 18	7	5 5	9 4	. 4	12 15	10	925 826	$\frac{320}{274}$	$\frac{205}{240}$
30 to 34 years	22	9	6	4	10	-18	10	508	176	195
40 to 44 years	17	8	13	5	9	20	11	267	127	105
45 to 49 years	22	7	5	5	13	16	12	150	92	180
50 to 54 years	23	22	14	11	16	22	20	115	104	75
55 to 59 years	36	14	25	18	26	42	27	100	85	60
60 to 64 years	41 59	24 45	19	21	31	58-	35 42	120 94	81 76	90 95
65 to 69 years	74	34	34 48	26 30	49 64	84 148	71	94	90	95
70 to 74 years	72	52	64	44	61	167	81	95	55	93
80 to 90 years	130	85	-84	58	103	201	116	102	66	85
90 years and over	18	23	21	5	20	33	10	15	12	14

TABLE No. 21

CANCER

Deaths by Months with Comparison for 10 Years

Months	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Total	1,938	2,017	2,226	2,193	2,314	2,383	2,542	2,558	2,518	2,592
Rate per 100,000 Pop	70.8	73.4	80.1	78.4	81.9	83.3	87.9	88.0	85.4	88.4
January February March April May June July August September October November	176 167 166 151 153 156 169 150 154 163 168	154 163 180 183 142 178 184 166 146 172 163 186	198 185 189 168 204 173 207 204 197 177 168 156	172 162 183 202 208 195 194 190 176 170 173 168	177 176 203 201 193 202 197 206 200 193 194 172	207 203 207 194 189 181 197 209 206 207 180 203	216 217 242 206 223 174 219 212 208 203 209 213	225 206 258 199 192 208 212 234 205 208 216 195	208 191 205 197 195 225 262 219 191 202 202 221	240 211 225 213 194 230 239 196 219 201 212 212

EXTERNAL CAUSES

Deaths by Months with Comparison for 10 Years

	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
AccidentalSuicidesHomicides	2,081 443 123	2,049 458 131	2,453 441 152	2,092 478 178	1,972 425 149	2,270 484 143	2,401 423 194	2,198 339 109	1,804 364 130	1, 968 327 135
TOTAL	2,735	2,628	3,046	2,748	2,546	2,897	3,018	2,646	2,298	2,430
January	214 180	185 183	187 176	196 187	194 193	207 178	213 217	185 215	172 150	183 155
March	165 199	205 196	269 232	225 196	203 203	192 201	282 231	245 216	171 186	209 169
MayJune	$\frac{267}{221}$	204 218	219 325	228 274	205 196	231 250	268 265	216 279	185 215	205 206
July	325 278	267 253	361 347	280	266 233	383 324	308	273 258	238	243 197
September	219 226 226	231 225 235	256 221 239	228 250 220	240 185 200	259 233 214	243 247 258	197 204 189	208 187 195	215 229 220
December	215	226	214	192	228	225	213	169	188	199

TABLE No. '22

EXTERNAL CAUSES

Deaths by External Causes for 7 Years

No.	Causes	1914	1915	1916	1917	1918	1919	1920
	TOTAL EXTERNAL DEATHS	2,748	2,546	2,897	3,018	2,646	2,298	2,430
	Rate per 100,000 Population	98.2	90.1	101.2	104.4	94.0	77.9	82.9
155 156 157 158 159 160 161 162 163	Suicide by poison. Suicide by sphyxia Suicide by shapging Suicide by drowning Suicide by drowning Suicide by frearms Suicide by cutting. Suicide by jumping Suicide by crushing Suicide by other means	226 14 60 27 121 23 1 5	147 13 64 26 130 23 4 9	180 12 69 28 155 25 5 4 6	108 17 73 23 154 35 2	97 99 59 21 122 22 2 2 3 4	111 17 59 29 115 21 1 9	91 13 69 21 107 15 4 5
	Total suicides	478	425	484	423	339	364	327
164 165 166 167 168 169 170 171 172 173 175-A 175-B 175-F 175-F 176 177 180 181 185 186	Poison by food. Poison by other means. Conflagration. Burns. Deleterious gases. Accidental drowning. Traumatism by firearms. Traumatism by gall. Traumatism by fall. Traumatism by mines and quarries. Traumatism by mines and quarries. Other crushings. Accidents, railroad. Accidents, street cars. Accidents, street cars. Accidents, street cars. Accidents, worder. Accidents, motorcycle. Injuries by other vehicles. Accidents, motorcycle. Injuries by animals. Starvation. Excessive old. Excessive cold. Excessive heat Lightning. Electricity (lightning excepted). Fractures. Other external causes.	39 82 31 148 74 162 63 15 434 50 66 354 89 90 93 14 64 18 31 2 2 2 78	26 45 33 152 -54 148 72 21 467 56 49 37 335 71 1125 84 1 1 7 10 13 23 2 100	27 44 21 139 76 186 69 14 464 56 48 14 463 95 167 64 2 2 17 36	28 51 30 159 94 147 78 51 423 117 63 8 515 92 208 65 2 25 36 2 17 15 17 39	47 52 14 200 55 137 63 2 384 111 61 50 444 46 6 6 217 24 65 11 10 26 22 65 11 11 24 44 44 44 44 44 44 44 44 44 44 44 44	34 48 15 160 39 163 46 9 9 241 91 64 19 284 40 241 37 4 11 50 8 4 20 22 37 13	31 49 24 157 53 122 251 103 51 11 270 39 363 363 364 66 77 9 9 166 29 53
	Accidental or undefined	2,092	1,972	2,270	2,401	2,198	1,804	1,968
182 183 184	Homicide by firearms Homicide by cutting. Homicide by other means.	123 19 36	107 15 27	96 17 30	140 25 29	77 12 20	93 8 29	105 10 20
	Homicides	178	149	143	194	109	130	135

TABLE No. 23

SMALLPOX

Deaths by Months with Total for 10 Years

Months		1	911		1912	2	1913	1914	<u>ا</u>	1915	19	16	1917	1918	1919	1920
Total			3		12		11	8		10		1	14	24	12	15
January							1	1		1			2	3	1	1
February					2					1			1	7		2
March			2		3		1			1		1	1	2	1	2
April					2			1		3			1	3		2
May								1		1			3	3	1	1
June			1	1.	3		- 1	1					1	1	2	
July							1		٠.				4	3	2	
							1	1								1
					1	• •										2
					1			1					4		9	
**	- 1			- 1	1	• •		2		1			_	2	3	4
August September October November December		· · .			····i		3 3	1 2		1					2 3	

TABLE No. 24

Total Deaths and Rate per 100,000 Population for Tuberculosis (All Forms), and Typhoid Fever in the Following
Cities—Year 1920

CITIES		culosis Forms)	Typhoid Fever		
	Total	Rate	Total	Rate	
- 41	414	131.7	20	6.4	
ndianapolis	104	121.9	9	10.6	
ort Wayne.	87	100.2	12	13.9	
erre Haute	62	93.8	3	4.5	
outh Bend	96	135.2	2	2.8	
ary	53	95.7	6	10.8	
ast Chicago	42	116.8	9	25.0	
ammond	12	33.3	15	41.7	
uncie	34	93.1	. 3 .	8.2	
ichmond	20	74.7	2	7.5	
nderson	33	110.9	5	16.8	
khart	19	78.2	2	8.2	
ichigan City	29	149.0	1	5.1	
afayette	21	93.4	2	8.9	
okomo	39	130.9	4	13.4	
ogansport	18	83.2	8	36.9	
ew Albany	36	156.6	1 1	4.3	
arion	33	138.5	6	4.2	
ncennes	17	98.8	0	34.9	
[ishawaka	14 15	120.9		0.1	
eru	8	52.8	. 1	9.1 6.6	
portewood	21	194.6	1	0.0	
wooduntington	15	107.1	6	42.8	
ffersonville	16	158.4			
PATE OF INDIANA	3, 151	107.7	282	9,6	

TABLE No. 25

Total Deaths and Rate Per 100,000 Population for Pneumonia (All Forms) and Influenza in the Following Cities
—Year 1920

		monia Forms)	Influenza		
·	Total	Rate	Total	Rate	
STATE OF INDIANA	4,150	141.6	2,290	78.1	
CTTIES Indianapolis. Evansville. Fort Wayne. Fort Wayne. Fort Haute. South Bend. Gary. East Chicago. Hammond. Muncie. Richmond. Anderson. Elkhart. Michigan City.	586 125 140 104 114 151 98 86 56 42 52 44	186. 2 146. 8 161. 8 157. 2 160. 6 272. 7 272. 2 238. 9 153. 3 156. 9 174. 7 181. 2 97. 7	194 21 37 44 66 81 34 35 35 11 18	61.7 24.6 42.6 66.6 92.9 146.3 94.1 97.8 41.1 60.5 78.2	
Lafayette Kokomo Logansport New Albany Marion Vincennes Mishawaka Peru Laporte Elwood	39 28 22 37 28 27 12 21 16	213.5 130.9 129.0 95.7 113.7 162.7 177.7 96.7 138.5 148.3 135.7	19 15 17 12 11 18 16 8 16 5	84.5 50.4 78.6 52.2 46.3 104.6 105.3 64.5 105.6 46.3	

TABLE No. 26

Total Deaths and Rate Per 100,000 Population for Cancer and External Causes in the Following Cities—Year 1920

	Ca	ncer	Externa	l Causes
	Total	Rate	Total	Rate
STATE OF INDIANA	2,592	88.4	2,427	82.8
Indianapolis Evansville Fort Wayne Terre Haute South Bend Gary East Chicago Hammond Muncie Richmond Anderson Elkhart Michigan City Lafayette Kokomo Logansport New Albany Marion Vincennes Mishawaka Peru Laporte Elwood Huntington Jeffersonville	312 76 88 60 53 25 10 31 40 40 18 27 17 39 20 27 19 17 21 16 16 11 13	99.3 89.1 101.7 90.8 74.7 45.1 27.8 86.1 109.5 149.4 60.5 111.2 87.4 173.4 67.2 124.8 82.6 71.2 122.0 78.9 128.9 131.9 101.9 92.9 128.7	256 47 76 82 68 106 65 51 34 14 17 24 19 27 29 13 16 18 18 12 8 13 9	81.5 55.1 87.8 124.1 95.8 191.4 180.7 141.6 93.1 52.3 57.1 197.4 60.6 75.8 104.6 75.8 104.6 85.8 83.4 100.0

TABLE No. 27

1920 Infant Mortality

Births in Indiana During the Year Showing Number of Deaths Under 1 Year Per 1,000 Births. Also Sex of Children
Born

	Males	Females	Total Births	Deaths Under 1 Year	Infant Deaths per 1,000 Births
STATE OF INDIANA	31,086	- 33,723	64,809	5,276	81.4
Counties					
Adams. Allen Bartholomew Benton Blackford	243	231	474	26	54.8
	1, 128	1,224	2,352	181	76.8
	229	200	429	43	100.2
	150	165	315	19	60.3
	190	179	369	14	37.9
Boone Brown Carroll Cass Clask	213	262	475	28	58.9
	70	68	138	12	86.9
	174	155	329	25	75.9
	394	380	774	50	64.5
	246	337	583	32	54.8
Clay. Clinton. Crawford. Daviess. Dearborn.	304	348	652	49	75.1
	286	289	575	39	67.8
	137	116	253	16	63.2
	330	385	715	39	54.5
	196	206	402	36	89.5
Decatur Dekalb Delaware Dubois. Elkhart	184	188	372	20	53.7
	227	293	520	35	67.3
	550	710	1,260	126	100.0
	272	251	523	39	74.5
	631	655	1,286	91	70.7
Fayette. Floyd. Fountain. Franklin. Fulton.	188	218	406	24	59.1
	322	294	616	35	56.8
	204	222	426	29	68.1
	121	156	277	19	68.5
	161	150	311	19	61.1
Gibson. Grant. Greene. Hamilton. Hancock.	278	356	634	56	88.3
	549	599	1, 148	103	89.7
	405	454	859	58	67.5
	249	235	484	29	59.9
	165	141	306	22	71.8
Harrison. Hendricks. Henry. Howard. Huntington	170	220	390	26	66.7
	165	206	371	27	72.7
	344	419	763	76	99.6
	533	498	1,031	69	66.9
	337	312	649	43	66.2
Jackson. Jasper Jay Jefferson Jennings.	275	287	562	51	90.7
	164	167	331	28	84.5
	246	271	517	42	81.2
	178	181	359	26	72.4
	138	141	279	13	46.5
Johnson	204	203	407	29	71.2
Knox.	483	654	1,137	115	101.1
Koseiusko	290	310	600	35	58.3
Lagrange	129	140	269	20	74.3
Lake.	2, 183	2,412	4,595	565	122.9
Laporte. Lawrence. Madison Marion Marshall	464	675	1,139	87	76.3
	387	414	801	72	89.8
	761	855	1,616	129	79.8
	3,806	3,721	7,527	667	87.2
	270	245	515	34	66.0
Martin	115	129	244	27	110.6
Miami	278	373	651	42	64.5
Monroe	294	328	622	49	78.8
Montgomery	272	271	543	34	62.6
Morgan	211	234	445	49	110.1

TABLE No. 27—Continued

Counties	Males	Females	Total Births	Deaths Under 1 Year	Infant Deaths Per 1,000 Births
Newton. Noble. Ohio Orange Owen.	90	171	261	14	53.6
	211	232	443	18	40.6
	37	32	69	6	86.9
	186	209	395	24	60.7
	130	147	277	17	61.3
Parke Perry Pike Porter Posey.	168	173	341	29	85.0
	207	222	429	32	74.5
	226	227	453	38	83.8
	227	239	466	25	53.6
	213	220	433	32	73.9
Pulaski	135	137	272	21	77.2
	204	203	407	23	56.5
	280	292	572	34	59.4
	130	206	336	23	68.4
	177	203	380	22	57.8
Scott	71	87	158	7	44.3
	240	271	511	32	62.6
	194	201	395	27	68.3
	114	128	242	16	66.1
	106	130	236	12	50.8
St. Joseph Sullivan Switzerland Tippecanoe Tipton	1,286	1,297	2,583	240	92.9
	353	461	814	66	81.1
	85	105	190	10	52.6
	428	460	888	76	85.5
	158	192	350	25	71.4
Union.	51	73	124	10	80.6
Vanderburgh	836	904	1,740	152	87.3
Vermillion.	290	319	609	55	90.3
Vigo.	1,038	1,175	2,213	241	108.9
Wabash. Warren. Warrick. Washington.	264	275	539	40	74.2
	97	99	196	20	100.2
	162	248	410	33	80.4
	174	174	348	20	57.4
Wayne	446	492	938	86	91.6
	208	230	438	33	75.3
	221	190	411	26	63.2
	150	166	316	22	69.6

TABLE No. 28

Births by Months, Sex, Color, Etc., 10 Years

	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
otal (Births).	56, 970	57,855	59, 180	61,889	61,850	63,312	63,073	64,313	59, 273	64,809
	21.0	20.9	21.3	22.1	21.9	22.1	21.8	22.1	20.1	22.1
Males	29, 264	29,693	30,423	32,018	31,701	32,421	32,770	32,702	28,611	31,086
Females	27, 706	28,162	28,757	29,871	30,149	30,891	30,303	31,611	30,662	33,723
White	55,988	56, 915	58,238	60,776	60,883	62,343	61,871	62,986	57, 903	63, 261
Colored	982	940	942	1,113	967	969	1,202	1,327	1, 370	1, 548
Stillbirths	1,799	1,757	1,668	2,118	2,051	2,141	2,091	2,079	1,825	1,994
Illegitimate	988	871	986	941	881	920	873	909	900	1,010
Plural Births.	1,020	1,116	594	569	619	625	675	736	650	746
By Months										
January February March April May June July August September October	4,820	4,930	4,876	5, 188	5,246	5,575	5,740	5,355	4,934	5,527
	4,583	4,818	4,629	5, 002	4,887	5,408	5,272	5,205	4,652	5,655
	5,077	4,976	5,295	5, 410	5,270	5,699	5,672	5,939	5,299	5,595
	4,432	4,385	4,581	4, 623	4,827	5,377	5,210	5,673	4,860	5,066
	4,564	4,663	4,697	4, 819	2,993	5,276	4,651	5,417	4,716	5,490
	4,531	4,592	4,536	4, 923	5,163	4,945	4,855	5,485	4,462	5,446
	4,873	5,093	4,977	5, 484	5,431	5,315	5,591	5,641	4,660	5,732
	5,206	5,240	5,041	5, 471	5,395	5,463	5,706	5,776	4,643	5,874
	5,105	4,874	5,103	5, 488	5,466	5,303	5,459	5,332	4,962	5,516
	4,715	4,807	5,055	5, 222	5,332	4,921	5,189	5,236	5,428	5,268
November	4, 409	4,415	4,878	4,862	4,865	4,848	4,784	4, 563	5, 180	4, 657
	4, 655	4,504	4,912	4,829	4,975	5,182	4,944	4, 691	5, 477	4, 983

TABLE No. 29

Deaths by Months, Sex, Color, Conjugal Condition and Nationality, 10 Years

				,	1	1				
	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Total Deaths (Stillbirths Exc.) Death Rate	35,231 13.0	35,771 13.1	36,710 13.2	35,869 12.8	35,416 12.5	38, 249 13.3	39,785 13.7	46,361 15.9	37,077 12.5	39,430 13.4
Males Females	18,735 16,496	19, 198 16, 573	19,929 16,781	19,217 16,652	19, 123 16, 293	20,495 17,754	21,562 18,823	24,052 22,309	18,596 18,481	20,073 19,357
White Colored	$33,945 \\ 1,282$	34,658 1,113	35,549 1,161	34,771 1,098	$34,157 \\ 1,255$	36,831 1,418	37,614 2,171	44,323 2,038	35,482 1,595	37,665 1,765
Single Married	$13,048 \\ 22,183$	$13,060 \\ 22,711$	13,849 22,861	$13,041 \\ 22,828$	$12,005 \\ 23,411$	$13,211 \\ 25,038$	14,097 25,688	16,914 29,447	12,480 24,597	13,376 26,054
American Foreign Unknown	31,309 3,597 325	32,191 3,258 332	33,807 2,715 188	33,003 2,795 71	32,227 3,102 87	34,709 3,419 121	35,852 3,933	42,282 4,079	33,819 3,258	35, 852 3, 578
By Months										
January. February March. April. May. June. July. August September October November. December.	3,420 3,092 3,364 3,247 2,826 2,514 3,051 2,785 2,785 2,795 2,756 2,854	3,313 3,111 3,484 3,199 2,695 2,420 2,708 2,985 2,985 2,964 2,785 3,199	3,323 3,103 3,660 3,112 3,023 2,941 3,056 3,223 2,873 2,893 2,793 2,710	3,161 3,010 3,670 3,395 3,078 2,650 2,877 2,913 2,785 2,794 2,678 2,858	3,161 3,378 3,817 3,260 2,736 2,433 2,596 2,602 2,743 2,725 2,750 3,215	4,161 3,354 3,672 3,305 2,986 2,576 3,149 3,100 3,006 2,802 3,132	3,776 3,874 4,085 3,565 3,394 2,824 3,078 3,078 3,030 3,040 2,884 3,211	3,722 3,367 3,829 4,039 3,296 2,703 2,769 2,945 2,908 6,101 5,066 5,616	4,233 3,588 4,624 3,277 2,814 2,430 2,762 2,540 2,472 2,605 2,685 3,046	3,890 5,726 4,160 3,272 3,287 2,709 2,681 2,532 2,625 2,793 2,765 2,990

TABLE No. 30

Deaths by Age Groups, 10 Years

Age	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Under 1 year. 1 to 5 years. 5 to 10 years. 10 to 20 years. 20 to 30 years. 30 to 40 years. 30 to 40 years. 50 to 60 years. 60 to 70 years. 70 to 80 years and over. Unknown.	5,413 2,076 746 1,580 2,719 2,702 2,711 3,589 4,817 5,509 3,341 28	5,388 2,142 758 1,462 2,701 2,562 2,768 3,732 4,974 5,622 3,646 26	5,757 2,338 867 1,601 2,694 2,692 2,759 3,833 4,968 5,720 3,552 33	5, 452 2, 107 739 1, 401 2, 540 2, 658 2, 768 3, 833 5, 001 5, 724 3, 619 27	4,947 1,726 683 1,352 2,373 2,477 2,861 3,926 5,230 6,122 3,700 19	5,418 2,065 717 1,569 2,624 2,723 3,017 4,055 5,669 6,417 3,967	5,327 2,300 816 1,650 2,850 2,925 3,100 4,176 5,701 6,525 4,401 14	5,685 3,101 1,176 2,810 5,103 4,800 3,570 4,170 5,677 6,434 3,725 110	4,690 1,995 800 1,700 3,045 3,050 2,905 3,725 5,150 6,291 3,700 26	5,296 2,441 763 1,750 2,885 3,076 3,101 3,618 5,765 6,546 4,147

TABLE No. 31

Mortality-State of Indiana-Comparison 5 Years

	1916	1917	1918	1919	1920
Birth rate per 1,000 population. Death rate per 1,000 population Infant mortality	22.1 13.3 85.5	21.8 13.7 84.4	22.1 15.9 88.4	20.1 12.5 .79.1	22.1 13.4 81.4
Important Diseases, Rate per 100,000 Population					
Tuberculosis, all forms Typhoid fever Diphtheria and croup. Scarlet fever. Measles. Whooping cough. Broncho and lobar pneumonia. Diarrhoea and enteritis (Under 2 years). Cerebro-spinal fever. Poliomyelitis Influenza. Puerperal septicemia Cancer. External causes. Smallpox.	115.9 58.7 1.5 1.7 33.8	137.4 17.1 15.3 4.9 19.0 8.6 128.4 51.1 2.1 1.1 19.5 7.0 87.9 104.4	136.3 13.7 14.7 4.0 4.1 16.1 193.7 42.6 1.5 1.1 216.4 8.4 72.3 94.0	110.8 11.5 10.9 2.7 2.4 2.2 113.5 34.8 .9 99.4 6.3 85.4 77.9	107.7 9.6 12.2 6.6 9.8 8.9 141.6 35.2 .7 .4 78.1 7.6 88.4 82.9 .6

TABLE No. 32

COLORED MORTALITY FOR STATE OF INDIANA DURING YEAR 1920

Total Births	94.	1,548
Males. Females.		
Total Deaths		1,765
Males. Females		
Under 1 year		150

TABLE No. 32—Continued

Tuberculosis	300
Typhoidfever	14
Diphtheria and croup	6
Scarlet fever	
Measles.	4
Whooping cough	13
Pneumonia.	280
Diarrhoea (Under 2 years)	55.
Influenza	75
Puerperal septicemia	7
Cancer	70
External causes	120
Smallpox	
Syphilis	11

TABLE No. 33

Deaths From the Puerperal State, With Rate per 100,000 Population—Five Year Comparison

Монтня	1916		1917		1918		1919		1920	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
Accidents of pregnancy Puerperal hemorrhage Other accidents of labor Puerperal septicemia Puerperal convulsions Puerperal embolus, etc Following childbirth, etc	29 30 36 224 97 22 5	1.0 1.0 1.2 7.8 3.3 .7	29 32 27 203 105 13 5	1.0 1.1 .9 7.0 3.6 .4 .1	92 38 21 245 102 17 10	3.1 1.3 .7 8.4 3.5 .6 .4	58 37 44 187 79 17 6	1.9 1.3 1.5 6.3 2.7 .6	60 40 45 224 95 19 2	2.4 1.3 1.5 7.6 3.2 .7

Deaths from Causes Peculiar to Early Infancy, with Rate per 100,000 Population

Infants	1916		1917		1918		1919		1920	
	Total	Rate	Total	Rate	Total	Rate	Total	Rate	Total	Rate
Premature birth (Still-births Excl.). Congenital debility Injuries at birth Other causes of early infancy. Lack of care Hydrocephalus. Malformation of the heart Other congenital malformations.	1, 258 156 185 166 7 41 378	43.9 5.4 6.4 5.8 .2 1.4 13.2 4.4	1, 257 210 159 202 40 352 151	43.5 7.2 5.5 6.9 1.3 12.1 5.2	1, 227 228 111 253 5 30 229 209	42.1 7.8 3.9 8.7 .2 1.0 7.9 7.2	1,061 255 161 213 9 39 288 92	39.5 8.6 5.5 7.5 3 1.3 9.8 3.1	1,210 339 170 254 10 32 329 93	41.2 11.5 5.8 8.6 .3 .1.0 11.2
STILLBIRTHS EXCLUDED FROM ABOVE Total living births Total infant deaths under 1 year of age Infant mortality rate per 1,000 births	2,141 63,312 5,418	22.1	2,091 63,073 5,327	21.8	2,079 64,313 5,685	22.1	1,825 59,273 4,690	20.1	64,809	22.1

REPORT OF THE BOARD OF MEDICAL REGISTRATION AND EXAMINATION

OFFICERS AND MEMBERS OF THE BOARD FOR 1920-1921

W. A. SPURGEON, M. D., President, Muncie.
E. M. SHANKLIN, M. D., Vice-President, Hammond.
WM. T. GOTT, M. D., Secretary, Crawfordsville.
PAUL R. TINDALL, M. D., Treasurer, Shelbyville.
WM. R. DAVIDSON, M. D., Evansville.
A. B. CAINE, D. O., Marion.
MISS LUCY CAMPBELL, Clerk, Indianapolis.

We beg to make the following report to the Governor and public as to the administrative work of the board during the fiscal year ending September 30, 1921.

One hundred and forty-two applicants have applied for license to engage in the practice of the healing art in Indiana. Two midwives have applied for license to engage in the practice of midwifery in Indiana. All of these applicants who successfully passed the established schedule of minimum educational requirements were issued certificates authorizing the county clerks of the various counties where applicants located, to issue a license to engage in the practice. The educational institutions from which these applicants were graduated are as follows:

Indiana University School of Medicine, Indianapolis. University of Kansas, Medical Department, Lawrence-Rosedale. Jefferson Medical College, Philadelphia. College of Medical Evangelists, Loma Linda, Cal. University of Cincinnati, College of Medicine, Cincinnati. Eclectic Medical College, Cincinnati. Louisville University, School of Medicine, Louisville. Vanderbilt University, School of Medicine, Nashville. Ohio State University Medical Department, Columbus. Chicago College of Osteopathy, Chicago. American School of Osteopathy, Kirksville. Des Moines Still College of Osteopathy, Des Moines. Meharry Medical School, Nashville. Johns Hopkins University, School of Medicine, Baltimore. Rush Medical College, Chicago. Illinois University, Medical Department, Chicago. University of Michigan, Medical Department, Ann Arbor.

On account of the widespread misunderstanding of the purpose and scope of medical education and licensing laws it is important that this report should point out some of the reasons for the enactment of such laws.

It is not questioned that whoever opens an office and holds himself out to be entitled and qualified to consult and advise the sick concerning their most precious possession—health, is assuming a tremendous responsibility. A responsibility that can not be escaped on the plea that "if no good is done, no harm is done." The sick are entitled to helpful and not harmless methods of treatment. Beginning cancer, diphtheria and tuberculosis should have prompt, positive and affirmative action if life is to be saved. The sick are entitled to the skill that comes with education and training; less than this is triffing with life and common sense.

The chief good is health; the worst thing is sickness. Good health of the people is the state's greatest asset; ill health is an immeasurable loss. The recognition of the economic value of good health is of the greatest importance to all citizens. Why should the people tax themselves to build universities and schools for training and educating persons to practice the healing art skillfully? Why organize and maintain boards of health for the prevention of disease? Why organize and maintain a board of medical registration and examination and direct by law that said board shall establish an educational standard of qualification that shall be met and successfully passed by all persons "who attempt to practice the healing art", if the uneducated and unskilled are to assume the duties and responsibilities of the educated and skilled? people realize that a hod-carrier, blacksmith, barber or milliner can not in a few short months be sufficiently educated and trained to assume the responsibilities of tampering with the delicate and intricate mechanism in which the life forces reside—the human body—the state's best efforts to conserve human life must be impaired.

It is obvious to anyone who is disposed to think about the importance of the subject herein discussed that it is incumbent upon the state to do all that is within its power to save life and limb, prevent disease, and to heal cure and relieve the sick. The only plan yet devised whereby the state can do anything to accomplish this end is through a licensing system based upon a compulsory education which shall apply alike to all persons who assume the duties, functions and responsibilities of the trained and educated physician. A standardized educational test for practitioners of the healing art should not, and does not, interfere in any way with the right of the individual to choose his own advisor, but does guarantee, insofar as the matter can be determined, that he is not imposed upon.

It is fair to assume that knowledge fundamental to the recognition of disease, its cause and nature should precede any attempt to consult and advise the sick. The law can not be made efficient until evidence of such knowledge is presented to the state by all those who seek by any method to treat human ailments. Educational requirements of the state are too often evaded by those who make the plea that what they do in the conduct of their business does not come within the purview of the law, yet they assume the duties and responsibilities of the licensed physician, although both the lower and higher courts have repeatedly decided that what they do is the practice of medicine within the meaning of the law. The definition of what shall constitute the practice of medicine is herewith quoted:

"To prescribe for, or to give surgical assistance to, or to heal, cure or relieve, or to attempt to heal, cure or relieve, those suffering from injury or deformity or disease of mind or body," is practicing medicine within the meaning of the law. Therefore, any person who "heals or attemps to relieve anyone suffering with disease of mind or body," regardless of the methods employed for such purpose, is clearly practicing medicine within the meaning of the law, and the courts, the final arbiters of the law have so held.

REQUIREMENTS-MORAL AND EDUCATIONAL ONLY

It should not be forgotten by the lay public and physicians as well, that the question of whether an individual should be licensed to treat the sick is educational and not sectarian. Hence the statute provides that the board "shall not in the establishment of the schedule of minimum requirements discriminate in favor of or against any school or system of practice, nor shall it prescribe what system or systems or schools of practice shall be taught in any of the colleges or universities or other educational institutions of the state." Therefore, no one is barred from obtaining a license to engage in the practice of the healing art in Indiana under the existing law on account of the school or system by which he practices. The issuing of a license is based solely upon the moral and educational fitness of the applicant.

FINANCIAL STATEMENT

Total receipts of fees from all sources. Balance on hand October 1, 1920.	\$7,090 00 3,916 82
	\$11,006 82
Total Disbursements—	
Amounts paid by board on duly audited vouchers, approved	
and on file, for indebtedness incurred during the fiscal	
year, including per diem, railroad fare and hotel bills of	
members, postage, telephone, telegraph and other office	
expenses\$3,578 19	
Fees refunded to applicants who were ineligible to registration 185 00	
Salary to secretary	
Salary to clerk	
	\$5,213 19
Balance in treasury October 1, 1921.	\$5,793 63

CERTIFICATES ISSUED SINCE 1897

Record of Certificates Issued to Date Since 1897, as Shown by the Records of the State Board of Medical Registration and Examination:

YEAR	Regular	Eclectic	Homeopath	Physio- Med.	Osteopath	Midwife
1897 1898 1899 1899 1900 1901 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1919 1919 1919 1919 1919	3,773 383 231 188 178 188 247 228 240 234 330 1170 127 104 172 131 116 98 92 81 79 69 59 133 124	491 35 28 7 8 8 11 9 11 16 22 11 1 1 4 5 2 2 1	296 32 31 24 14 11 13 16 7 11 17 8 3 5 5 4 3 2 1	201 21 12 7 7 7 5 10 8 4 6 11 4 4 1	30 6 3 3 46 9 11 2 2 5 4 5 5 4 5 2 2 2 2 4	97 15 13 1 2 2 2 6 7 3 8 8 3 3 16 11 10 11 9 15 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Total	7,767	681	522	303	155	254.

During the period covered in this report the following physicians have been licensed through reciprocity from the states named:

From Colorado-

Symon, Wm. Gardiner, Garrett Butman, Wm. Chas., Hebron

District of Columbia-

Lyon, Martha B., South Bend

From Delaware-

Beeler, Bruce Henry, Evansville

From Georgia-

White, Jno., A., Indianapolis

From Illinois-

Reeve, Roscoe H., Whiting Glascock, Fred L., Muncie

Goad, Jas. H., Gary

Paskind, Jas. H., Indianapolis Tremoulin, Saraton, Gary

Carneal, Thos. E., Winamac

Howard, Chas. E., Garrett

Silverthorn, Frank R., East Chicago

MacGregor, Donald E., Indianapolis

Aldridge, Jas. W., Covington

Alexander, Ezra D., Marion

Maxwell, J. B., Atwood

Brooks, Emory W., Winchester Hamilton, Robt. Crowe, Indiana Harbor

Karasek, Matthew, Warsaw

Van Dyke, Geo. Henry, Winona Lake

Sandock, Isadore, South Bend McKenzie, Pierce, Evansville

Edmiston, Loyd Lewis, Morocco

Scott, Otto Raman, Chrisman, Ill.

Allen, Orris T., Terre Haute

Smith, Jacob W., Terre Haute Kerrigan, Robt. L., Michigan City

Sponder, Joseph, Gary

Pugh, Joseph R., Hammond Smith, Lester A., Indianapolis

Dice, Henry F., Ridge Farm, Ill.

Rutherford, Cyrus W., Indianapolis

Myers, Jas. F., Huntington. Beardsley, Frank A., Frankfort

Ernst, Helmuth C. W., East Chicago

From Kentucky-

Wilson, Dunning S., French Lick Barber, Ira Z., Evansville

Bailey, Everett R., Indianapolis

Wells, Geo. Marion, Chalmers

Powell, Hugh B., Indianapolis

Downie, Wm. Edgar, Indianapolis

From Maine-

Bartlett, Frank H., South Bend

From Maryland-

Rauschenbaugh, C. Wm., Hammond Worrell, C. Freeman, Indianapolis

From Michigan-Pontius, Minerva B., Evansville Squiers, David E., South Bend From Minnesota-Canfield, Harry E., Brazil From Mississippi-Turner, Dudley W., Gary From Missouri-Ferguson, Cecil B., Terre Haute Ferguson, Denzil M., Terre Haute Hume, Edwin L., Rushville Kennedy, Walther U., Newcastle Royer, Don J., Fort Wayne Pelz, Mort J., South Bend Sparks, Abraham J., South Bend *Deeming, Paul J., Union City

Reitter, Geo. Stiles, Indianapolis

From New Jersey-

From Ohio-Erehart, Mark Geo., Huntington Owens, Thos. Rogers, Muncie Warvel, Jno. Henry, Indianapolis Laib, Dale Earl, Evansville Boren, Herschel, Princeton Roberts, W. J., Logansport From Pennsylvania-Mann, Victor L., Lafavette Griffiths, David E., Gary Foster, Jas. T., Richmond From Tennessee-Franklin, W. B., East Chicago Hedrick, Robt. M., Gary Evans, Raymond M., Brazil Allen, Jas. P., Indianapolis Johnson, Joseph T., Laporte Lowry, Gerald S., Indianapolis

The following were licensed by examination:

Allen, Walter Owen Alvis, Edward Ochs Aronson, Sidney S. Beavers, Benjamin Berman, Jacob Kohn Bickel, David A. Bowser, Herschel P. Carlson, Oscar E. Carter, Floyd R. Casey, Stanley McClure Cline, Abe Coffin, Day Dean Cole, Ira Cox, H. Monford Davis, Parvin M. Dryer, Donald S. Eastman, Nicholson J. Eccles, Chas. M. Eigenman, Adele Rosa Eiler, Jno. Oliver Ellis, Bert Edward English, Harry Edward Epple, Stephen Logan Eurit, Deering H. Flora, Jno. A. Freed, James Carl French, Virgil Ward Gaddy, Euclid T. Garton, Harry Wasson Gifford, Fred Emerson Gift, Weldon A. Graves, Orville Melvin Hamilton, Orville Grant Hancock, James Duffy Harding, Myron Sidney

Hudson, Foster James Keever, Hobart Chas. Kilman, Joseph Erle Kopp, Otis A. Magee, Floyd E. Moenning, Walter Paul McVey, Clarence Alfred Murdock, Harvey Lee Muelchi, Adeline Ferra Millis, Robert Jordan Olds, Frederick Cutler Wynne, Spencer Owens Pearson, Lyman Rees Petranoff, Theo. V. Pitkin, McKindree C. Porter, Eldon B. Records, Arthur Wilson Reeve, Bryce Byrum Rice, Thurman B. Ropp, Eldon R. Sevbert, Joseph DeWitt Shook, Benj. Elmer Smith, Wilbur Forrest Spieth, Wm. Henry Sprauer, Victor Jacob Stivers, Frank Floyd Stuteville, Ethel Sunderland, Harry Lee Swank, L. Forrest Taylor, Jno. Moore Thomas, Walter Claude Turley, Vern LeRoy Turner, Howard K. Washburn, Wendell J. Wilson, Paul Hobart

Five midwives have been given written examination for license to practice midwifery during the year covered in this report. Two made satisfactory grades and were issued a license as follows:

Kirk, Anna Davidson, Indianapolis Taggart, Eva May, Muncie

HONOR ROLL

Applicants who attained a total of at least 900 points out of a possible 1,000 were placed on the honor roll. The board takes pleasure in stating that this honor was earned by the following:

Name Points Graduation Rice, Thurman B. 962.4 148F Muelchi, Adeline F. 942.3 148F Alvis, Edmond O. 933.6 148F Moenning, Walter P. 930.0 148F Eccles, Chas. M. 929.7 148F Aronson, Sidney S. 927.4 148F Eiler, Jno. Oliver 927.2 148F Spieth, Wm. Henry 924.5 148F Garton, Harry W. 924.6 148F Kilman, Joseph E. 923.5 148F McVey, C. A. 923.1 299A Hamilton, Orville G. 922.8 148F Berman, Jacob K. 921.7 282 Eigenmann, Adele 921.5 148F Harding, Myron S. 921.5 148F Gifford, Fred Emerson 920.0 148F Magee, Floyd 918.5 1 Casey, Stanley M. 917.0 148F Records, Arthur W. 916.1 255 Gaddy, Euclid T. 915.8 <td< th=""><th></th><th></th><th>School of</th></td<>			School of
Muelchi, Adeline F. 942.3 148F Alvis, Edmond O. 933.6 148F Moenning, Walter P. 930.0 148F Eccles, Chas. M. 929.7 148F Aronson, Sidney S. 927.4 148F Eiler, Jno. Oliver 927.2 148F Spieth, Wm. Henry 924.5 148F Garton, Harry W. 924.0 148F Kilman, Joseph E. 923.5 148F McVey, C. A. 923.1 299A Hamilton, Orville G. 922.8 148F Berman, Jacob K. 921.7 282 Eigenmann, Adele 921.5 148F Harding, Myron S. 921.5 148F Gifford, Fred Emerson 920.0 148F Magee, Floyd 918.5 1 Casey, Stanley M. 917.0 148F Mecords, Arthur W. 916.1 255 Gaddy, Euclid T. 915.8 148F Millis, Robt. J. 915.8 148F Seybert, DeWitt J. 910.5 148F Murdock, Harvey Lee 910.5 148F	Name	Points	Graduation
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Moenning, Walter P. 930.0 148F Eccles, Chas. M. 929.7 148F Aronson, Sidney S. 927.4 148F Eiler, Jno. Oliver 927.2 148F Spieth, Wm. Henry 924.5 148F Garton, Harry W. 924.6 148F Kilman, Joseph E. 923.5 148F McVey, C. A. 923.1 299A Hamilton, Orville G. 922.8 148F Berman, Jacob K. 921.7 282 Eigenmann, Adele 921.5 148F Harding, Myron S. 921.5 148F Gifford, Fred Emerson 920.0 148F Magee, Floyd 918.5 1 Casey, Stanley M. 917.0 148F Records, Arthur W. 916.1 255 Gaddy, Euclid T. 915.8 148F Millis, Robt. J. 915.8 148F Seybert, DeWitt J. 912.0 148F Murdock, Harvey Lee 910.5 148F Washburn, Wendell J. 910.5 148F Bickel, David A. 910.0 148F	Muelchi, Adeline F	942.3	148F
Eccles, Chas. M. 929.7 148F Aronson, Sidney S. 927.4 148F Eiler, Jno. Oliver 927.2 148F Spieth, Wm. Henry 924.5 148F Garton, Harry W. 924.0 148F Kilman, Joseph E. 923.5 148F McVey, C. A. 923.1 299A Hamilton, Orville G. 922.8 148F Berman, Jacob K. 921.7 282 Eigenmann, Adele 921.5 148F Harding, Myron S. 921.5 148F Gifford, Fred Emerson 920.0 148F Magee, Floyd 918.5 1 Casey, Stanley M. 917.0 148F Records, Arthur W. 916.1 255 Gaddy, Euclid T. 915.8 148F Millis, Robt. J. 915.8 148F Seybert, DeWitt J. 912.0 148F Murdock, Harvey Lee 910.5 148F Washburn, Wendell J. 910.5 148F Bickel, David A. 910.0 148F Turner, Howard 908.5 148F <td>Alvis, Edmond O</td> <td>933.6</td> <td>148F</td>	Alvis, Edmond O	933.6	148F
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McVey, C. A. 923.1 299A Hamilton, Orville G. 922.8 148F Berman, Jacob K. 921.7 282 Eigenmann, Adele 921.5 148F Harding, Myron S. 921.5 148F Gifford, Fred Emerson 920.0 148F Magee, Floyd 918.5 1 Casey, Stanley M. 917.0 148F Records, Arthur W. 916.1 255 Gaddy, Euclid T. 915.8 148F Millis, Robt. J. 915.8 148F Seybert, DeWitt J. 912.0 148F Murdock, Harvey Lee 910.5 148F Washburn, Wendell J. 910.5 148F Bickel, David A. 910.0 148F Turner, Howard 908.5 148F Coffin, Day Dean 908.0 107 Cole, Ira 906.5 148F Pearson, Lyman R. 903.0 148F Hudson, Foster J. 902.7 148F	Garton, Harry W	924.0	148F
Hamilton, Orville G. 922.8 148F Berman, Jacob K. 921.7 282 Eigenmann, Adele 921.5 148F Harding, Myron S. 921.5 148F Gifford, Fred Emerson 920.0 148F Magee, Floyd 918.5 1 Casey, Stanley M. 917.0 148F Records, Arthur W. 916.1 255 Gaddy, Euclid T. 915.8 148F Millis, Robt. J. 915.8 148F Seybert, DeWitt J. 912.0 148F Murdock, Harvey Lee 910.5 148F Washburn, Wendell J. 910.5 148F Bickel, David A. 910.0 148F Turner, Howard 908.5 148F Coffin, Day Dean 908.0 107 Cole, Ira 906.5 148F Pearson, Lyman R. 903.0 148F Hudson, Foster J. 902.7 148F	Kilman, Joseph E.	923.5	148F
Berman, Jacob K. 921.7 282 Eigenmann, Adele 921.5 148F Harding, Myron S. 921.5 148F Gifford, Fred Emerson 920.0 148F Magee, Floyd 918.5 1 Casey, Stanley M. 917.0 148F Records, Arthur W. 916.1 255 Gaddy, Euclid T. 915.8 148F Millis, Robt. J. 915.8 148F Seybert, DeWitt J. 912.0 148F Murdock, Harvey Lee 910.5 148F Washburn, Wendell J. 910.5 148F Bickel, David A. 910.0 148F Turner, Howard 908.5 148F Coffin, Day Dean 908.0 107 Cole, Ira 906.5 148F Pearson, Lyman R. 903.0 148F Hudson, Foster J. 902.7 148F	McVey, C. A	923.1	299A
Eigenmann, Adele 921.5 148F Harding, Myron S. 921.5 148F Gifford, Fred Emerson 920.0 148F Magee, Floyd 918.5 1 Casey, Stanley M. 917.0 148F Records, Arthur W. 916.1 255 Gaddy, Euclid T. 915.8 148F Millis, Robt. J. 915.8 148F Seybert, DeWitt J. 912.0 148F Murdock, Harvey Lee 910.5 148F Washburn, Wendell J. 910.5 148F Bickel, David A. 910.0 148F Turner, Howard 908.5 148F Coffin, Day Dean 908.0 107 Cole, Ira 906.5 148F Pearson, Lyman R. 903.0 148F Hudson, Foster J. 902.7 148F	Hamilton, Orville G	922.8	148F
Harding, Myron S. 921.5 148F Gifford, Fred Emerson 920.0 148F Magee, Floyd 918.5 1 Casey, Stanley M. 917.0 148F Records, Arthur W. 916.1 255 Gaddy, Euclid T. 915.8 148F Millis, Robt. J. 915.8 148F Seybert, DeWitt J. 912.0 148F Murdock, Harvey Lee 910.5 148F Washburn, Wendell J. 910.5 148F Bickel, David A. 910.0 148F Turner, Howard 908.5 148F Coffin, Day Dean 908.0 107 Cole, Ira 906.5 148F Pearson, Lyman R. 903.0 148F Hudson, Foster J. 902.7 148F	Berman, Jacob K.	921.7	282
Gifford, Fred Emerson 920.0 148F Magee, Floyd 918.5 1 Casey, Stanley M. 917.0 148F Records, Arthur W. 916.1 255 Gaddy, Euclid T. 915.8 148F Millis, Robt. J. 915.8 148F Seybert, DeWitt J. 912.0 148F Murdock, Harvey Lee 910.5 148F Washburn, Wendell J. 910.5 148F Bickel, David A. 910.0 148F Turner, Howard 908.5 148F Coffin, Day Dean 908.0 107 Cole, Ira 906.5 148F Pearson, Lyman R. 903.0 148F Hudson, Foster J. 902.7 148F	Eigenmann, Adele	921.5	148F
Magee, Floyd 918.5 1 Casey, Stanley M. 917.0 148F Records, Arthur W. 916.1 255 Gaddy, Euclid T. 915.8 148F Millis, Robt. J. 915.8 148F Seybert, DeWitt J. 912.0 148F Murdock, Harvey Lee 910.5 148F Washburn, Wendell J. 910.5 148F Bickel, David A. 910.0 148F Turner, Howard 908.5 148F Coffin, Day Dean 908.0 107 Cole, Ira 906.5 148F Pearson, Lyman R. 903.0 148F Hudson, Foster J. 902.7 148F	Harding, Myron S.	921.5	148F
Casey, Stanley M. 917.0 148F Records, Arthur W. 916.1 255 Gaddy, Euclid T. 915.8 148F Millis, Robt. J. 915.8 148F Seybert, DeWitt J. 912.0 148F Murdock, Harvey Lee 910.5 148F Washburn, Wendell J. 910.5 148F Bickel, David A. 910.0 148F Turner, Howard 908.5 148F Coffin, Day Dean 908.0 107 Cole, Ira 906.5 148F Pearson, Lyman R. 903.0 148F Hudson, Foster J. 902.7 148F	Gifford, Fred Emerson	920.0	148F
Records, Arthur W. 916.1 255 Gaddy, Euclid T. 915.8 148F Millis, Robt. J. 915.8 148F Seybert, DeWitt J. 912.0 148F Murdock, Harvey Lee 910.5 148F Washburn, Wendell J. 910.5 148F Bickel, David A. 910.0 148F Turner, Howard 908.5 148F Coffin, Day Dean 908.0 107 Cole, Ira 906.5 148F Pearson, Lyman R. 903.0 148F Hudson, Foster J. 902.7 148F	Magee, Floyd	918.5	1
Gaddy, Euclid T. 915.8 148F Millis, Robt. J. 915.8 148F Seybert, DeWitt J. 912.0 148F Murdock, Harvey Lee 910.5 148F Washburn, Wendell J. 910.5 148F Bickel, David A. 910.0 148F Turner, Howard 908.5 148F Coffin, Day Dean 908.0 107 Cole, Ira 906.5 148F Pearson, Lyman R. 903.0 148F Hudson, Foster J. 902.7 148F	Casey, Stanley M	917.0	148F
Millis, Robt. J. 915.8 148F Seybert, DeWitt J. 912.0 148F Murdock, Harvey Lee 910.5 148F Washburn, Wendell J. 910.5 148F Bickel, David A. 910.0 148F Turner, Howard 908.5 148F Coffin, Day Dean 908.0 107 Cole, Ira 996.5 148F Pearson, Lyman R. 903.0 148F Hudson, Foster J. 902.7 148F	Records, Arthur W	916.1	255
Seybert, DeWitt J. 912.0 148F Murdock, Harvey Lee 910.5 148F Washburn, Wendell J. 910.5 148F Bickel, David A. 910.0 148F Turner, Howard 908.5 148F Coffin, Day Dean 908.0 107 Cole, Ira 906.5 148F Pearson, Lyman R. 903.0 148F Hudson, Foster J. 902.7 148F	Gaddy, Euclid T	915.8	148F
Murdock, Harvey Lee 910.5 148F Washburn, Wendell J. 910.5 148F Bickel, David A. 910.0 148F Turner, Howard 908.5 148F Coffin, Day Dean 908.0 107 Cole, Ira 906.5 148F Pearson, Lyman R. 903.0 148F Hudson, Foster J. 902.7 148F	Millis, Robt. J.	915.8	· 148F
Washburn, Wendell J. 910.5 148F Bickel, David A. 910.0 148F Turner, Howard 908.5 148F Coffin, Day Dean 908.0 107 Cole, Ira 906.5 148F Pearson, Lyman R. 903.0 148F Hudson, Foster J. 902.7 148F	Seybert, DeWitt J.	912.0	148F
Bickel, David A. 910.0 148F Turner, Howard 908.5 148F Coffin, Day Dean 908.0 107 Cole, Ira 906.5 148F Pearson, Lyman R. 903.0 148F Hudson, Foster J. 902.7 148F	Murdock, Harvey Lee	910.5	148F
Turner, Howard 908.5 148F Coffin, Day Dean 908.0 107 Cole, Ira 906.5 148F Pearson, Lyman R. 903.0 148F Hudson, Foster J. 902.7 148F	Washburn, Wendell J	910.5	148F
Coffin, Day Dean 908.0 107 Cole, Ira 906.5 148F Pearson, Lyman R. 903.0 148F Hudson, Foster J. 902.7 148F	Bickel, David A	910.0	148F
Cole, Ira 906.5 148F Pearson, Lyman R. 903.0 148F Hudson, Foster J. 902.7 148F	Turner, Howard	908.5	148F
Pearson, Lyman R. 903.0 148F Hudson, Foster J. 902.7 148F	Coffin, Day Dean	908.0	107
. Hudson, Foster J	Cole, Ira	906.5	148F
	Pearson, Lyman R.	903.0	148F
Stuteville, Ethel 902.1 148F	Hudson, Foster J	902.7	148F
	Stuteville, Ethel	902.1	148F

Key to numbers used in list of colleges above:

Indiana University, School of Medicine148F
Jefferson Medical College
College of Medical Evangelists
University of Cincinnati, College of Medicine
Vanderbilt University, School of Medicine
Ohio State University, Medical Department
American School of Osteopathy

CERTIFICATES OF QUALIFICATION FOR MATRICULATION IN MEDICAL COLLEGE

The following persons have submitted documentary evidence of having complied with the minimum requirements for medical students in Indiana, and received certificates of qualification for matriculation in medical college.

Armstrong, Geo. Ellis, Bedford, Ind. Backer, Henry Geo., Indianapolis, Ind. Broadbent, Oliver P., Elwood, Ind. Bubelis, Jno., Lynn, Ind. Carson, Basil G., Vincennes, Ind. Chesser, Arra B., Waldron, Ind. Christensen, Eli E., Rochester, Minn. Conway, Glenn, Swayzee, Ind. Cure, Elmer Treat, Martinsville, Ind. Dearmin, Robt. M., Odon, Ind. Earp, Evanson B., Indianapolis, Ind. Eisaman, Cecil L., Columbia City, Ind. Eliazo, Estaban E., Candelana, P. I. Ellis, Seth Wiley, Anderson, Ind. Emenhiser, Jno. L., Fort Wayne, Ind. Frasch, Mahlon G., Lafayette, Ind. Gillen, Harold W., Wellston, O. Gitlin, Max M., Bluffton, Ind. Hadden, Claude E., Indianapolis, Ind. Harper, Eleanor E., Milan, Ind. Harrison, Benj. L., Danville, Ind. Harvey, Verne K., Indianapolis, Ind. Havice, Jay Frederick, Fort Wayne, Ind. Hazenski, M. Baleslaus, South Bend, Ind. Hicks, Chester A., Center Point, Ind. Hill, Howard Ed, Muncie, Ind. Holman, Chas. B., Bristow, Ind. Hornaday, Walter A., N. Manchester, Ind. Hull, Arthur W., Elkhart, Ind. Jinks, Clifford H., Laurel, Ind. Johnson, Francis M., Marion, Ind. Keidel, Lee, Madison, Ind. Kleindorfer, Roscoe L., Bloomington, Ind. Kline, Elmer, Indianapolis, Ind. Kretsch, Russell W., Decatur, Ind. Libbert, Edwin L., Aurora, Ind. List, Harold E., Knightstown, Ind. Llano, Justo de la, Candelaria, P. I.

Lucas, Geo., Adam, New Washington, O. Lynas, Jno. Richard, Logansport, Ind. McCarty, Virgil, Princeton, Ind. McGregor, Ebon Bell, Thorntown, Ind. McIlwaine, Robt. E., Marion, Ind. McKeeman, Leland S., Fort Wayne, Ind. Martin, Guy, Pekin, Ind. Martin, Jesse Albert, Huntington, Ind. Marty, Randolph, Valparaiso, Ind. Mason, Lester Roy, Muncie, Ind. Mendenhall, Edith Vera, Newcastle, Ind. Middlestadt, Carl D., Monon, Ind. Miller, Jno. Sayers, Indianapolis, Ind. Miskowic, Adalbert, Bloomington, Ind. Moore, Robt. Gardner, Vincennes, Ind. Nees, Oliver Rosco, Cory, Ind. Newhouser, Lloyd R., Rossville, Ind. Owen, Jno. Elba, Evansville, Ind. Ploughe, Ralph R., Elwood, Ind. Portteus, Walter L., Indianapolis, Ind. Prentiss, Nelson H., Fort Wayne, Ind. Reynolds, Jasper A., Redkey, Ind. Rhodes, Ted David, Peru, Ind. Roberts, Floyd Newby, Knightstown, Ind. Rhudy, Wm. Porter, Boonville, Ind. Row, Perry Quentin, Osgood, Ind. Scheier, Emil Wm., Indianapolis, Ind. Sennett, Cecil Martin, Monterey, Ind. Smallwood, Robt. B., Oolitic, Ind. Swihart, Leonard F., Elkhart, Ind. Teal, Dorothy Dengle, Arcadia, Ind. Thomas, Fred Arvelle, Portland, Ind. Thomas, Paul Wilson, Veedersburg, Ind. Trusler, Harold M., Indianapolis, Ind. Van Arsdall, Clarence R., Hymera, Ind. Wise, Irvin M., Cincinnati, O. Wyttenbach, Jno. Edw., Evansville, Ind.

REPORT OF STATE BOARD OF DENTAL EXAMINERS

MEMBERS OF BOARD

V. H. KNAPP, President.

H. C. McKITTRICK, Secretary-Treasurer.

E. C. BACHFIELD.

C. A. NIXON.

ROBERT R. GILLIS.

ORGANIZATION

The law regulating the practice of dentistry was enacted in 1899 and amended in 1903, 1913 and 1917.

The State Board of Dental Examiners consists of five reputable practicing dentists, who have been in practice in this state not less than five years, one of whom is appointed by the Governor, one by the State Board of Health and three by the state dental association, each member of which serves for a term of two years.

DUTIES

It is the duty of the State Board of Dental Examiners to examine persons who wish to practice dentistry in the state; to issue licenses to those applicants who pass a satisfactory examination and have the necessary qualifications; to issue the annual renewal license certificates to those dentists who wish to continue in the practice of their profession and who have continued in good standing, and to revoke the licenses of practitioners for failure to comply with the dental law for incompetency, gross neglect of duty or other sufficient cause.

WORK OF BOARD

During the year two regular meetings of the board have been held. The first meeting was in continuous session from November 14th to 20th. At this session eight applicants were examined and five were given license to practice dentistry in the state. The second examination was held June 19th to the 25th. Sixty-two applicants were examined and fifty-three were granted license to practice. At the June meeting twenty-five licenses were cancelled because of failure to pay the 1921 license fee, three having been restored since that time upon payment of the penalty and license fee.

The license of George Blaine Monroe of Ft. Wayne was cancelled because of his conviction of a felony in the Allen County Circuit Court. Several cases of illegal practice are being investigated at this time.

FINANCIAL REPORT

Balance reported October 31, 1920	
Total	\$4,034 65
DISBURSEMENTS	
Board members per diem and expense\$1,492 22	
Secretary-treasurer's salary	
Secretary-treasurer's bond 6 00	
Clerk hire 536 46	
Dues, N. A. D. E	
Telephone 3 75	
Postage 120 36	
Printing and supplies	
Attorney fees 100 00	
Auditing books 65 74	
	\$3,677 49

Balance reported October 31, 1921

REPORT OF PUBLIC LIBRARY COMMISSION OF INDIANA

THE COMMISSION

MRS. ELIZABETH CLAYPOOL EARL, Muncie, President—Term Expires 1924.

C. H. OLDFATHER, Crawfordsville, Vice-President—Term Expires 1922. THOMAS C. HOWE, Indianapolis—Term Expires 1923.

THE EXECUTIVE STAFF

WILLIAM J. HAMILTON, Secretary and State Organizer.

HARRIET T. ROOT, Assistant State Organizer.

MAYME C. SNIPES, Assistant State Organizer.

DELLA FRANCES NORTHEY, Supervisor High School and State Institution Libraries.

JEAN M. SEXTON, In Charge of Traveling Libraries.

ELIZABETH B. NOEL, Stenographer and Assistant.

RUTH F. STEVENS, Assistant.

ARTHUR DEWAR, Shipping Clerk.

WHAT THE PUBLIC LIBRARY COMMISSION IS

The Public Library Commission of Indiana is a branch of the state government, established by the General Assembly of 1899, in order to aid the progress of the public library as an institution throughout the state.

The Public Library Commission should be distinguished from the State Library, also located in the State House at Indianapolis, but an entirely separate department of the government under a separate board of managers. A somewhat similar distinction exists as that between the Department of Public Instruction and the State University.

The State Library and the Public Library Commission are two separate state departments doing different kinds of library work without duplication.

The State Library is a reference library doing reference work for individuals throughout the state, and lending books for study to individuals for two-week periods.

The Public Library Commission is a commission supervising and aiding the public libraries of the state, but is not a library itself, although as one feature of its work, it has a Department of Traveling Libraries. This department sends out libraries of fifty or one hundred volumes, serious reading and fiction for old and young, to groups, schools and clubs located in communities which are without public library facilities. It does no reference work, having no facilities for this, and circulates no books to individual borrowers.

The work of the Public Library Commission is threefold. First, it encourages and aids the establishment of new public libraries in communities where they are needed and where they can be supported. Second, it assists in the development, growth and advance of libraries already established, incidentally aiming to reach the residents of rural districts near these libraries through township or county extension of library privileges. One strong feature of the help given the libraries of the state is the annual summer school for librarians, which has been conducted by the commission for twenty years. The third phase of the commission's work is the Traveling Libraries Department, which has already been mentioned.

THE WORK WITH PUBLIC LIBRARIES

When the Public Library Commission was organized in 1899 there were but fifty-seven public libraries in the state, and a large share of the work in earlier years consisted in the establishment of new libraries under the public library act of 1901. Today there are 221 public libraries in Indiana, yet the calls for commission assistance are as numerous as before. As the library as an institution becomes better known in the smaller communities of the state our assistance is more often requested, since needs in districts of this sort are so much greater. An extensive correspondence supplements the visits made by the staff and gives librarians, library trustees and others interested, counsel based on experience and research in matters of library administration, policy and technique.

FIELD WORK

ESTABLISHMENT OF NEW LIBRARIES

Members of the commission staff visit towns wherever there is need of a library and confer with citizens and organizations who are interested in the need, explaining the steps to be taken to establish a library, and advising as to a campaign. Advice is also given as to how a library may obtain a building fund from the Carnegie Corporation, although no gifts are being made by the Corporation just at present. Often conference with representative citizens in towns where no interest has been shown in the need of library service will result in an establishment. Five new libraries have been established in Indiana during the past year.

As soon as a library board has been legally appointed a representative of the commission plans to meet with this board to help it organize, adopt by-laws and plan for starting the actual service from the new library. This initial conference is followed by other meetings and correspondence, which keeps the commission in touch with later developments of the local situation.

ORGANIZATION VISITS

The services of a commission organizer are given in libraries starting service to arrange the books and start the necessary records, to install a loan system and instruct the new librarian. Collections vary in size from 500 volumes to 5,000, and the organizer with the librarian and

other volunteers help accession, classifies and labels the volumes, making a card shelflist in which each book is represented by a card filed so that all books on a subject stand together. The organizer does not make a dictionary catalog for the library; this may be left until the librarian has had summer school training in library work or the library board may hire a temporary cataloger. All the expenses of such visits to public libraries are met by the commission.

ADVISORY VISITS

The most important work done by the commission, and the richest in results, is that accomplished by visits of the members of the staff to the public libraries in all parts of the state. The aid of these "traveling librarians" is especially needed in the towns where the library income is too small to allow the hiring of a trained librarian.

The librarians are helped by discussing new methods and possibilities with an organizer of wide experience. The organizer can advise on many points and give suggestions which will make the librarian's time and energy more productive of results for the community. These visitors passing from one library to another suggest methods which have been successful elsewhere and prevent experiments which have already been proven unwise.

The library boards too are glad of an opportunity to consult an experienced visitor as to means of bettering service and equipment. This is more than ever true under the present stress of finances. Even in the larger cities we find boards who wish information on problems which other libraries may already have solved. Policies are discussed, the problems of library extension to rural districts, salaries and staff questions, questions of law and building equipment, budget problems as to how best to apportion funds so as to meet the needs of that particular community.

HIGH SCHOOL LIBRARIES

There are in Indiana some 850 high schools, and less than 220 public libraries. The students in the 630 schools not having public library privileges available are just as much in need of books and reading as those more fortunate. The State Department of Public Instruction makes the requirement of a working school library for each high school, to which it grants a certificate. Accordingly, each school has a "library" of a sort, sometimes forty or fifty volumes in deplorable physical condition, and sometimes two or three thousand volumes forming a fairly adequate collection.

The commission is constantly called on for help in placing and keeping these collections in shape. While our first duty is to the public libraries of the state, we feel a responsibility for aiding the solution of all library problems, and for this reason have regretted during the past year our inability to employ a field worker who might visit these high school libraries who asked for help. During the coming year this will be possible, and the Department of Public Instruction is co-operating with the Public Library Commission in endeavoring to bring up the standards of service in the high school libraries of Indiana,

INSTRUCTION IN LIBRARY METHODS

Each summer the commission conducts a six weeks' course in library technique for librarians or their assistants. Only persons holding permanent salaried positions or under definite appointment are accepted as students, since the course is not conducted as a library school, but simply to aid Indiana libraries by giving the rudiments of library practice to untrained assistants.

In addition to this summer course the commission supervises each year twelve or fifteen district conferences, at which the librarians of the different sections of the state can meet to discuss their problems and talk over new methods. Usually some member of the commission staff is present at these district meetings.

PUBLICATIONS

In the quarterly "Library Occurrent" the commission publishes articles and lists intended to be of special help to the librarians of the state. The commission also distributed last year The Booklist published by the American Library Association to every public library in the state, with an income of less than \$1,500.

FREE TRAVELING LIBRARIES

Any school, club, grange or other organization of five or more members not having access to a public library may borrow the traveling library books.

Any five or more persons not already organized and not having access to a public library may organize a traveling library association for this purpose.

If a public library is small and unable to furnish the books it needs, the librarian may borrow books from the traveling library to supplement the public library collection, providing that the tax levy in the town is as high as the law permits, and providing that the library is co-operating with the commission by filing an annual report with the commission.

Collections of a general character are lent for three months and may be once renewed. Collections to be used for study in club work may be held for the club year.

The number of books lent to any one association depends upon the number of borrowers in the association, and the number of books available when the request is made. If the circulation of the books in any association justifies a larger collection more books will be sent later, if desired.

For special study the number of books needed to cover the work v ill be sent, if possible.

Books that go by freight are sent collect and must be returned prepaid. A fee of fifty cents on each box must be paid in advance to the Public Library Commission for expense of drayage to and from the station at Indianapolis.

Books that are sent by express are sent collect and returned prepaid.

SUMMARY OF THE PUBLIC LIBRARY COMMISSION WORK October 1, 1920, to September 30, 1921

. Two hundred eighty-two visits made by Public Library Commission staff.

One hundred eighty-five public libraries of Indiana visited.

Seven school and institution library visits made.

Five new towns obtaining library service.

One library board reorganized under public library act of 1901.

Seven new townships served under township support for libraries act of 1911.

Six public library book collections organized.

Two high school collections organized.

Fifteen district meetings of the Indiana Library Association planned for and attended by the commission staff.

Thirty-nine students instructed in summer school for librarians.

Thirty thousand two hundred thirty-five volumes circulated by Traveling Library Department.

Two hundred thirteen associations served by Traveling Library Department.

Seventy-one new stations served by Traveling Library Department.

PROBLEMS OF THE PUBLIC LIBRARIES DURING THE PAST YEAR

LIBRARY FUNDS AND TAXATION

A large part of the public libraries of the state have recovered the ground lost because of curtailed appropriations two years ago, when the State Tax Board trimmed all tax rates as authorized by the new tax law of 1919. In quite a number of instances, however, there is still serious difficulty in obtaining an adequate appropriation from township advisory boards. The advisory boards hold to the low rate fixed by the 1919 slashes and refuse to raise it the penny or two which would make possible real extension service. In a number of cases this holding to a low rate is plainly due to the library board's failure to take proper steps to enlighten the advisory board as to what the higher tax rate would give the township patrons. We must emphasize again what was stated in last year's report, "No tax law of any sort will ensure results for an indolent, uninterested, or overthrifty library board." In such communities only insistent, persistent and bad tempered demands on the part of taxpayers for adequate service made to the library boards and the township advisory boards, and not to the librarians, will obtain attention and get results. It is no kindness for the Public Library Commission to lend books in such communities, when what is needed is a deeper realization on the part of local library boards of their own responsibilities and obligations.

The 1921 session of the General Assembly reamended the 1919 act already once amended by a 1920 special session. Under the law as it now stands, rates fixed by town and city library boards are to stand unless formally protested by ten taxpayers. In case of such protest

filed with the county auditor the State Board of Tax Commissioners holds a hearing on the rate as levied and decides whether it shall stand or be reduced.

It is rather a high tribute to the library management of Indiana that out of 206 tax supported libraries only four had their levies protested. At the East Chicago library rate hearing the original rate was upheld. In Evansville where the rate was cut 13 per cent last year, it was again cut 25 per cent this fall. While the rate remains the same as last year, falling valuations will mean a decidedly smaller income. This is much to be regretted on two scores—few libraries in Indiana cover the city with service as intensively as here, yet good service brings constant calls from other needy sections which can not now be met—the second score is that Evansville acts as a central library for all the communities of Southwestern Indiana and is constantly called on for help by individuals and club groups from towns where the library service is weak; this extension service will have to be curtailed.

The Logansport-Cass County Library was seriously crippled by the rate slashing two years ago, and last year levied eight cents in town and four in the county to make up its deficiency. This left several thousand dollars on hand, which the board planned to spend for badly needed stacks and more assistance, levying for the coming year only six cents in town and three cents in county. In spite of this 25 per cent reduction in rate, a faction antagonistic to the school board protested all school levies. As the Logansport Library is in charge of the school board, both the city and county rates were affected and the board finally decided to do without needed material and reduced the rates still further to $4\frac{1}{2}$ cents in town and $2\frac{1}{2}$ cents in the county. As a result of this compromise no hearing was held on the library rate, but the work for the coming year is going to be seriously crippled.

The North Manchester Library was the library most seriously affected by a change of rate from that fixed by the library board. The rate was cut flatly in two, reduced from the eight cents needed to four cents, and this on top of an error in the county auditor's office last year which gave the library only a two cent tax instead of the five cent rate certified. The hearing of the protest was not conducted by a member of the tax board in person, but the board upheld the action recommended by its representative. As a result the library will receive \$2,300 with which to provide 2,700 people with service for two years. The board in making its decision probably took into consideration the fact that Chester Township pays to North Manchester about one thousand one hundred dollars each year in addition to the town funds, but this is paid for rural service and it is unfair to curtail the local income because the library is willing to assume broader responsibilities.

The members of the tax board do not seem to realize the difference between trimming two cents off an already modest library rate and taking a similar amount from a much larger school or civil budget. When a school rate was protested it may have been trimmed here and there, but there has been no disposition to carelessly cut off 25 per cent to 50 per cent of the amount needed. Yet this is just what was

done in the case of three library budgets which had been carefully and economically drawn up by library boards who were giving good service. who knew what their communities need and what it would cost to meet As a result the residents will have to do without what the library as an institution gives in other communities.

LIBRARY LEGISLATION

Three bills affecting library laws were enacted by the 1921 legislature and a fourth failed of passage. The latter was a bill to repeal the county library act of 1917. It was introduced by a senator from Allen County at the request of certain of his constituents who misrepresented the situation to him. The library workers of the state and especially the library boards now operating under the law made such a heated protest at the suggestion of a repeal that the bill was never brought up for action.

The librarians and trustees of Indiana owe a special debt of appreciation for active help in library legislation to Mr. Paul L. Haworth, chairman of the public libraries committee in the House, and to Mr. Claude S. Steele, chairman of the corresponding committee in the Senate. Mr. Steele is president of the public library board of Knox. Mr. Haworth introduced the two library bills sponsored by the Indiana Library Trustees Association and the I. L. A., and was a great help in obtaining their passage.

House Bill 103, by a change of one word, rectified the mistake drafted into the township support act of 1911 by the 1919 General Assembly. Now any library board may insist on a tax from any neighboring township when backed by the signatures of fifty taxpayers. Two town libraries, those at North Manchester and South Whitley, were unable to enforce such a township tax last year because the law previously permitted a tax only in a neighboring county. South Whitley was successful this year.

House Bill 87 provided several changes in the county library act shown to be necessary by the experience of the past four years. In the section applying to counties where there was no free public library in any city or town, that is affecting the Jennings and Scott County Libraries at North Vernon and Scottsburg, the law has been changed to provide for a nine-member board instead of seven members, and permitting four members to reside in any one township in place of two permitted previously. This will enable the boards to obtain a quorum more easily and also permit a sharing of responsibility in many matters which of necessity had to be decided formerly by the two local members.

Another minor change specifies the term of board appointment as two years, a statement inadvertently left out of the original law. Another prescribes that the county tax shall be continued as long as 10 per cent of the inhabitants of the districts so taxed use the library. The law previously prescribed 10 per cent of the entire county, which was unfair in such cases as Fowler and Noblesville, where only a portion of the townships in the county are served by the county library, the others having independent township libraries.

The final change is the reduction of the minimum tax rate prescribed from five cents to two cents. The fixing of the tax still rests with the library board and when five cents is needed it may be levied, but with the present high valuation it is not needed in 50 per cent of the counties of the state. Naturally the residents of the wealthier counties viewed with suspicion an obligatory rate which would bring in huge amounts of money, and co-operation was endangered by the old statement.

The third library law enacted was introduced at the request of a senator who is a library board president. This provides that while the township trustee will continue to be a member of any library board for the support of which a township tax is levied, the additional township member is hereafter to be appointed, not by the trustee, but by the judge of the county district court. All present appointees continue to hold office until the expiration of their term of appointment.

Another change provided by this act was probably accidental. The section amended is that section of the general public library law of 1901, dealing with appointment and qualification of library board members. The amended law now provides that no person may be appointed to a city or town library board who has resided less than two years in the district, whereas a one year residence was formerly satisfactory.

THE COMMISSION APPROPRIATION

Since 1913 there had been no change in the amount of the Public Library Commission's appropriation of \$12,500, till the 1920 special session of the legislature gave us a supplementary \$1,000. With work new and old crying to be done, with the costs of everything—books, traveling expenses and office supplies—50 to 75 per cent above 1913, it was impossible to serve the state efficiently on the old appropriation. Worst of all, our staff had been seriously weakened by resignations due to our low salary scale. When these facts were put before the legislative investigating committee and Governor McCray, a supplemental appropriation of \$5,000 was allowed for the fiscal year just closed and \$21,250 for each of the two ensuing years. This greatly appreciated help permitted us to strengthen our staff and equipment at once, and to undertake for the new year the work with high school libraries which our means has not permitted during the year just closed.

WORK WITH SCHOOLS AND INSTITUTIONS

While the first duty of the Public Library Commission is towards the public libraries of the state the acute needs of high schools of Indiana as to book collections and library organization can not be disregarded. It was with keen regret that we were forced to dispense with the services of a high school library worker during the whole of the past year. This was felt the more because the school people had come more and more to know of our work and ask for help. Fully thirty schools applied for assistance during the year and we were only able to put two of these school libraries into shape, the Daleville High School and the

Perry Township (Delaware County) High School. Additional visits were made to the high schools at Mishawaka and Veedersburg, and to the Manchester College Library at North Manchester. The state institutions whose libraries were visited were the Clermont Girls' School and the Rockville Sanatorium for the Tubercular.

With the new fiscal year Miss Della Frances Northey, a woman of wide experience in library work with schools, will take up this work as supervisor of high school and state institution libraries. With the cordial co-operation promised her from the office of the state superintendent of public instruction, a splendid year's work is anticipated. The Indiana Library Association in August sent out a questionnaire on the subject of co-operation between public libraries and public schools, and the committee report based on this will be a basis for the initial work Miss Northey is undertaking. There are many features of the problem for which only further study and local experience can provide solution.

REPORT OF THE COMMITTEE OF THE INDIANA LIBRARY ASSOCIATION ON WORK WITH PUBLIC SCHOOLS

In order to obtain definite information as to the library needs of the high schools of the state, questionnaires were sent to all high schools in towns where there is public library service, either city or county, and to 250 other high schools; also to all public libraries. The object was to discover conditions in the high schools themselves, the amount and kind of co-operation between the public libraries and the high schools, and the amount and kind of instruction given to students in the use of books and libraries and to promote more definite relations between the public libraries and the schools.

The returns were as follows:

Student Enrollment		Number of High Schools		Cities
1,000-3,000		. • • 14		. 10
500-1,000		18		17
200- 500		48		
Below 200	· · · · · · · · · · · · · · · · · · ·	116		

For convenience this subdivision was chosen as used in the "Certain Report on Standard Library Organization for Secondary Schools."

The information obtained from the results of the survey were both interesting and enlightening.

The conditions in the high school libraries themselves are far from those most to be desired. Even in the largest high schools there are not always separate library rooms and only nine of the fourteen of these larger high schools report a librarian on full time. Funds are available each year for books in only eight libraries. Six report organization of the library including a catalog.

In the next subdivision six high school libraries report a separate library room; five, a full-time librarian. Funds are available each year in ten schools and seven buy books as needed during the year. Seven report classification and a catalog, but the committee are inclined to think that the catalogs mentioned are only shelflists at the most.

The conditions in the smaller high schools are even worse than in the larger ones. Of course a librarian can not be provided; the library is housed in the assembly room and in some cases in an inaccessible recitation room or principal's office. In the subdivision with 200 to 500 enrollment, only seventeen report classification, while fifteen report catalog which no doubt is a simple shelflist. There is no regular annual fund for books in most high schools and books are apparently bought only when state authorities demand their purchase.

As shown in the survey, there is a willingness on the part of the public library co-operate, but in most cases, apparently neither the public library nor the public schools have any vision of the possibilities of the service.

There seems to be no definite plan of procedure in giving instruction to students in the use of books and libraries. Such instruction as is given is simply incidental in most cases. No school credit is given. Evidently the value of such instruction in making high school students independent users of books and libraries has not been realized either by the public library or the public schools.

It is recommended by your committee that the report on "Standard library organization and equipment for secondary schools of different sizes," familiarly called the Certain Report, be adopted by the Indiana Library Association as attainable standard in—

- 1. Appropriate housing and equipment.
- 2. Professionally trained library service.
- 3. Scientific service in selection and care of books and other printed material and in the proper classification and cataloging of this material.
- 4. Instruction in the use of books and libraries.
- 5. Adequate annual appropriation.

This report has already been adopted by the committee on library organization and equipment of the National Educational Association and of the North Central Association of Colleges and Secondary Schools, and has been approved by the committee on education of the American Library Association.

It is further recommended that a committee be appointed to work out definite recommendations to be presented to the State Department of Education in order to make the library, both school and public, a vital part in the education of the child.

Based upon these recommendations, a systematic library development should be outlined, with definite annual goals, until these standards have been attained.

BARCUS TICHENOR, Chairman, ESTELLA WOLF, KATE DINSMOOR, DELLA FRANCES NORTHEY, Committee.

ADVISORY VISITS TO LIBRARIES

During the past year representatives of the commission have made 282 library visits in Indiana as against 247 a year ago. This represents visits to 185 different public libraries and seven school and institutional libraries. Of the twenty-five public libraries unvisited during the year (fifty-eight last year), but seven lie south of the National Road, the libraries at Bloomfield, Bloomington, Columbus, New Harmony, Osgood, Princeton and Vincennes. An especial effort is made to cover this part of the state as many of the libraries here are weak.

Forty of the visits were made for the express purpose of meeting with local library boards to discuss and advise as to the problems and service of the individual library, eight were for the purpose of organizing for service or reorganizing library book collections, and nine were for the purpose of speaking in campaigns for new libraries or rural extension work. The secretary of the commission was asked to speak at the annual conference of the American Library Association in June at Swampscott, Mass., on the method of raising library revenues in Indiana, whereby the library board fixes the library tax rate.

LIBRARY ORGANIZATION

In addition to the two high school library collections organized during the year, three collections in public libraries were organized for the first time and three others were reorganized. In the latter case the libraries have been in existence for some time, but through neglect, changes in librarian or changes in location, the records and books had gotten into a condition that made good work impossible. These organization visits varied from three days to two weeks, depending on the size of the book collection, the ability of the librarian and the help obtainable for the mechanical work. In several cases the training of an inexperienced librarian was a vital part of the work to be accomplished. The six public libraries assisted were those at Madison, Nappanee, Nashville, Oakland City, Scottsburg and Stilesville. It is doubtful whether there will be many library organizations during the next year or two until business conditions are more stable and until such time as the Carnegie Corporation may resume building donations.

NEW LIBRARIES

Three new tax supported libraries are to be reported for the past year, located at Centerville, Edinburg and Roanoke. As a matter of fact, the Roanoke Library, unknown to the commission, obtained a tax levy a year ago and the previously existing association library turned over its books to the new library board. The association library at Centerville will probably take similar action. Each of these libraries hopes another year to obtain co-operative support from the township. Centerville and Roanoke are operating reading rooms already and Edinburg hopes to open one in November.

A fourth community, West Lafayette, conducted a successful library establishment campaign, but the board members were not appointed until after October 1st, so that no tax can be levied until next year. Of the five new libraries reported last year, that at Fairmount has not yet opened a reading room. The library board reports that no township tax was obtained, but is silent as to whether a town tax was levied or whether the board organization lapsed.

New association libraries are reported at LaCrosse, Milford (Decatur County), Summitville and Wanatah. The association library at Idaville has reopened its doors under the active guidance of Mrs. Read, and Lyons also reports a reopening. Reading rooms were opened during the year on the following dates: Centerville, December; LaCrosse, March; Lynn, October; Milford (Decatur County), October; Nappanee, February 5th; North Judson, January; Stilesville, April 7th; Wanatah, January 1st. Additional library campaigns were discussed during the year at Bicknell, Howe, North Salem, Rossville, Spiceland, Veedersburg, Wolcott, but the commission advised against independent organizations in favor of co-operative service, except in the cases of Bicknell, North Salem and Veedersburg. It is going to be something of a problem to persuade against separate establishments in communities where adequate support can not possibly be given, and yet where if once a library is established and given tax support, vested interests and community individuality will prevent joining hands with a nearby stronger county library.

The public library of Crawfordsville previously managed by the city school board was transferred in July to the control of a separate library board under the public library act of 1901. There are now seven city libraries, Anderson, Bedford, Columbia City, Jeffersonville, Marion, Michigan City and Richmond organized under special laws, and nineteen under the school board library act of 1883.

There are three counties, Crawford, Dubois and Pike, in which no public libraries exist. There are four cities or towns of more than 3,000 inhabitants without libraries, Bicknell, Huntingburg, Jasonville and West Terre Haute, and five more towns between 3,000 and 2,000 in population, Batesville, Bremen, Jasper, Loogootee and Petersburg.

NEW BUILDINGS

Five new Carnegie library buildings were dedicated during the past year, at Laporte, November 6th; at Lowell, November 15th; at Scottsburg, February 5th; at Syracuse, March 15th, and at New Carlisle, June 24th. Three other buildings are in course of erection, the libraries of Hebron, North Judson and Linden. These are the last of the before-the-war donations from the Carnegie Corporation. The Plainfield Public Library was offered \$4,000 in 1917 to use in building an addition, but the board decided that this amount under the changed conditions, would not justify starting operations, so the gift was allowed to lapse.

RURAL EXTENSION WORK

COUNTY LIBRARIES

This past year has not been a propitious time to discuss any measure which would increase, no matter how slightly, the tax burdens of rural residents. For this reason no new county libraries are to be recorded, although plans for co-operative county library service were seriously discussed by Bluffton and Wells County, Muncie and Delaware County, Terre Haute and Vigo County. In Tippecanoe and Miami Counties, the library boards at Lafayette and Peru decided not to offer service to the county, though influential groups of rural residents were anxious to push such campaigns.

The county tax for co-operation with the Noblesville Library was not levied this year, as the result of bitter and unscrupulous opposition in one section of the district served. The county service under the tax levied last year will continue until next July. The Noblesville book wagon service has attracted more publicity than any other feature of Hoosier library work. It has been advertised far and wide through newspaper and magazine feature stories and letters from all parts of the United States have kept deluging Miss Lulu Miesse, the librarian, for the past six months. Within one month letters came from Washington, West Virginia, Texas and North Carolina. A large proportion of the rural patrons of the library are vexed at the prospect ahead of them when the book wagon ceases operation, and without doubt the tax will be resumed another year.

TOWNSHIP EXTENSION WORK

Seven additional townships this year granted support to nearby libraries as follows:

Albion added Green Township, its fourth.
Brookville added Fairfield Township, its second.
Butler added Franklin Township, its fourth.
Elkhart added Baugo Township, its second.
Columbia City added Richland Township, its fourth.
Otterbein added Medina Township, Warren County, its second.
South Whitley added Washington Township, its second.

In addition, Pierceton received a grant of \$100 from Monroe Township. The only township to withdraw its library levy entirely was Jackson Township, which had been co-operating with Brook and Iroquois Township.

One hundred ninety-six townships are now being given library service from 155 libraries under the township support act. One hundred three others are served from county libraries, but there are still more than seven hundred townships in Indiana without any public library facilities.

BOOK WAGONS

The Elkhart Library has installed for township service a library book wagon, and Rochester has ordered one for county work. Fort Wayne likewise has ordered a runabout for county stations service. The book wagons now in operation are at Plainfield (1915), Gas City (1917), Logansport (1919), Noblesville (1920), Elkhart (1921). A word of warning may be sounded here for the sake of the library which can not purchase a book wagon. Strong library service can be rendered through properly supervised stations. Stations and branches are still needed, even with book wagons for rural work. Wagons alone do not make rural service without sufficient books and interested library boards any more than a Carnegie building alone gives library service to the small town.

SUMMER SCHOOL

The six weeks' course in library training was given in June and July. In spite of the unusual heat of the summer, thirty-eight young women completed the work with a passing grade. Sixteen were librarians and twenty-two assistants. Through the courtesy of the Indianapolis School Board the sessions this year were held at Shortridge High School, instead of at Butler College as previously. The comfort of the students was provided for by the Y. W. C. A. as the association turned its educational floor into a dormitory and cared for more than thirty young women. The downtown location was very convenient, both for students and faculty, the close proximity of the Indianapolis Public Library with its equipment proving especially helpful.

The general courses were given by the members of the commission staff. Miss Carrie E. Scott and Miss Cerene Ohr of the Indianapolis Library assisted, Miss Scott giving ten lectures on children's work and Miss Ohr ten lectures on book selection. In addition, eighteen other outside speakers gave talks on various phases of library work. One interesting feature of the course was a reunion of the classes of 1901, 1906, 1911 and 1916, which was held in connection with an administration seminar at which representatives of the first class, 1901, and the eleventh spoke to the class of 1921.

The summer school has been one of the most helpful features of the commission's work with the libraries of the state. Nearly all the libraries of Indiana have had librarians or assistants trained by the commission. Starting with the class of 1901, 608 persons have taken the work in addition to the thirty-three who have taken the advanced course not offered this year.

The young women who are eligible for certificates because of their work in the 1921 class are:

Mrs. Helen M. Allison, Librarian, Nashville. Susanna Bailor, Librarian, Atlanta. Inez Black, Librarian, Warren. Mrs. Marie Brown, Librarian, Shoals. Elizabeth Campbell, Assistant, Vevay. Mary Chambers, Assistant, North Vernon. Mary Cochrane, Librarian, Delphi.

Alma Davis, Assistant, Columbus. Mildred Draddy, Librarian, Washington. Dora Driscoll, Assistant, Muncie. Beulah F. Eaton, Assistant, Terre Haute. Dorothy Eisenhardt, Librarian, Gas City. Mrs. Elvah H. Ferry, Librarian, Akron. Evelyn Fullenwider, Librarian, Waveland. Irma Garrett, Librarian, Angola. Gladys Harrah, Assistant, Terre Haute. Mrs. Margaret Howard, Assistant, Boonville. Caroline Immel, Assistant, Mishawaka. Mrs. Edna Moore Kennedy, Assistant, Indianapolis. Clothilde Kerney, Assistant, Evansville. Juanita Kersey, Assistant, Indianapolis. Virginia Lockwood, Assistant, Muncie, Retta McCullough, Librarian, Oakland City. Jennie G. Madden, Assistant, Rushville. Mrs. Jessie M. Mauck, Librarian, Owensville. Mrs. Emma Boyer Mercer, Assistant, Evansville. Mrs. Anne Metzger, Librarian, South Whitley. Wilma R. Porter, Librarian, Salem. Marie Purvis, Assistant, Tipton. Virginia Rinard, Librarian, Kentland. Sarah E. Robinson, Assistant, Evansville. Lorena Senn, Assistant, Logansport. Ruth F. Stevens, Franklin, Assistant, Public Library Commission. Dorothy Strouse, Librarian, Worthington. Helen D. Swan, Assistant, Muncie. Margaret L. Wallace, Librarian, Gary, Marie Wilcox, Assistant, Michigan City. Inis Williamson, Assistant, Evansville.

LIBRARY MEETINGS

Fifteen district meetings of the Indiana Library Association were held during the year at Angola, Bedford, Bluffton, Evansville, Grandview, Hammond, Indianapolis, Lafayette, Laporte, Louisville (joint conference with Kentucky librarians), Muncie, Noblesville, North Vernon, Terre Haute and Warsaw. These meetings are most profitable features of the year's work, gathering as they do groups of librarians and library trustees for active discussion on all sorts of topics. The attendance, interest and participation of the library trustees were noticeable this year. The Public Library Commission has a large share in the preparation of the programs for these meetings.

The joint meeting of the Indiana Library Association and the Indiana Library Trustees' Association was held at Hotel Severin, Indianapolis, November 10-12, 1920. There was a total attendance of 345, the best attendance ever recorded. The presiding officers were Miss Margaret Wade of Anderson, I. L. A., and Mr. Harry Kepner of Corydon, I. L. T. A. The presidents elected for the ensuing year 1920-21, were Miss Mary Torrance of Muncie and Mr. Edmund L. Craig of Evansville.

TRAVELING LIBRARIES

The total circulation of books from the Traveling Library Department for the year 1920-21 was 30,235 volumes. This is a smaller record than last year, largely due to a different method of counting renewal

circulations, but partly to an actual falling off in readers, and partly to our policy of discouraging loans to public libraries. There were 336 new requests filled as against 374 a year ago, and 161 renewals as against 273 counted last year. The total requests were 497 for the year. The associations served numbered 213, and of these seventy-one were new borrowers. Sixty-nine different public libraries borrowed books during the year, fifty libraries borrowing 13,762 volumes in traveling libraries and forty libraries borrowing 533 volumes for special requests. Twenty-one of the latter forty also borrowed full traveling libraries.

Inasmuch as there are more than fifty little libraries in towns of less than 1,000 inhabitants in the state, the need for such assistance as the commission gives is not surprising. An effort is being made each year to encourage libraries to set their tax rate high enough to supply local needs, especially for the juvenile calls. Whether all aid from the Traveling Library Department should be withheld from libraries where the local library board does not levy the maximum tax and thus endeavor to meet local needs, is a matter that calls for consideration. We must work to strengthen local initiative and local responsibility, not weaken it.

Thirteen counties of the state are now served by county libraries and no collections would be sent to these counties. Of the others, traveling libraries were sent during the year to all but seven, Delaware, Floyd, Lake, Miami, Monroe, Tippecanoe and Whitley. Of these, four, Floyd, Miami, Tippecanoe and Whitley had no libraries last year, and Tippecanoe had none the year before that.

TRAVELING LIBRARY DEPARTMENT STATISTICS October 1, 1920, to September 30, 1921

	1920-21	1919-20
New stations	71	89
Total number requests filled—		. •
Inital loans	336	374
Renewals	161	273
	407	0.45
	497	647
Total volumes lent—	1920-21	1919-20
Initial loans	19,608	20,769
Renewals		18,258
Traveling library statistics by associations:	30,235	39,037
	D .	77.1
Associations	Requests	Volumes
Public libraries	231	14,295
Reading rooms 4	8	601
Rural 6	8	346
General reading 40	85	5,684
Clubs 27	46	930
·Schools 67	119	8,379
213	497	30,235

FINANCIAL REPORT OF THE PUBLIC LIBRARY COMMISSION

October 1, 1920-September 30, 1921

Appropriation		17,500	00
Items	Exp	enditu	res
		\$3,348	08
Commissioners' exp	penses	00	00
Express	• • • • • • • • • • • • • • • • • • • •	3	50
	• • • • • • • • • • • • • • • • • • • •	265	28
		10	00
	***************************************		00
	ture	1,603	
	****	_,	00
	***************************************	404	
	***************************************	205	
	•••••	9,373	
	•••••	338	
Summon school	•••••	338	
	phone	79	
Traveling expenses	······	1,368	82,
Total		217 500	

In closing, the secretary desires to thank the librarians and staffs of the Indiana State Library and the Indianapolis Public Library for many favors shown and assistance constantly rendered, and to express his appreciation of the fine spirit, hard work and interested co-operation of his fellow workers on the commission staff, Misses Elizabeth B. Noel, Harriet T. Root, Jean M. Sexton and Mayme C. Snipes.

The list which follows includes all public libraries in Indiana supported wholly or in part by local commun the calendar year 1920. A supplementary list arranged by population is appended which will prove useful for Reports could not be obtained from East Chicago or Fremont.

				•		
	CITY OR TOWN	³ Name of Librarian	Population of Town	Rural Population Served	Date Organized	¹ Law
1 2	AkronAlbion	Mrs. E. L. Ferry. Lutie Earle	930 1,142	1,803 1,792	1912 1914	
. 3 4 5 6 7 8 9 10 11 12 13	Alexandria Anderson Angola Atlanta Attica Auburn Aurora Avon (Danville R. F. D.) Bedford Bloomfield Bloomington	Mrs. Ralph Bertsche. Margaret A. Wade. Irma Garrett Susanna Bailor. Katherine Fisher. Mrs. Virginia Emanuel. Constance Wilder. Gladys McCalment. Minta Stone Mary Lamb Mrs. Katharine G. Poulson.	4,172 29,767 2,650 678 3,392 4,650 4,299 9,076 1,872 11,595	2,689 2,910 1,374 4,574 541 1,204 566 1,302 3,721 1,581 3,215	1895 1891 1914 1916 1902 1906 1902 1920 1897 1905 1912	Spec.
14 15 16 17 18 19	Bluffton Boonville Borden Boswell Brazil Brook	Mrs. Ida Ashbaucher Mrs. Anna Isley Mrs. Emma Scott Lenora E. Gillespie Mrs. Gerna Gunnison. Ethel Reed	5,391 4,451 333 880 9,293 975	500 926 544 524 1,413	1902 1911 1914 1910 1875 1910	
20 21	BrookstonBrookville	Doll Hayes Mrs. Martha B. Kimble	815 2,220	1,113 1,722	1915 1910	
22	Brownsburg	Ottie Roberts	1,063	1,580	1916	
23 24	BrownstownButler	Kittie C. Robbins	1,554 1,745	1,904	1910 1906	
25	Cambridge City,	Mrs. L. M. Tweedy	1,963	2,754	1913	
.26 27 28	Cannelton. Carlisle. Carmel.	Annie E. W. Ellison Mrs. Luella B. Wagner Nellie E. Wells	2,008 973 598	2,439 1,568	1890 1915 1904	1883
29 30 31 32 33 34 35 36	Carthage. *Centerville. Charlestown. Churubusco. Clintom. Coatesville. Colfax. Columbia City.	Mattie Clark Mrs. Minnie Wright Emma Reich Mrs. Emma Pressler Ola Boling. Mrs. Rose C. Edwards Maud E. Rosenberger Bertram French	902 917 820 916 10,962 522 793 3,499	913 1,767 1,114 7,616 1,211 893 2,842	1890 1921 1893 1914 1908 1912 1915 1901	1852 1899 1852
37 38 39 40 41 42 43	Columbus. Connersville Converse. Corydon Covington Crawfordsville Crown Point.	Lenore Bonham. Isabel Ball. Charles B. Newby. Georgia A. Stockslager. Katie Diffenderfer. Gertrude Aiken. May Burge.	8,990 9,901 1,049 1,785 1,945 10,139 3,232	940 1,178 2,356 840 2,393 1,817	1899 1907 1916 1909 1912 1899 1906	1883

^{*}Report for less than a year. †Not yet open. ¹Unless otherwise specified, law is 1901-03-19.

^{*}Corrected to March 20, 1922.

STATISTICS

ity taxation. These statistics are in most cases for the fiscal year, July 1, 1920, to June 30, 1921; a few are for comparative purposes. The tax rate is given in cents on the hundred dollars.

				-						
Cost of Building	Source of Buildig Fund	Date Completed	Total Income	Received from Town	Rate in Town	Township	Received from Township	Rate in Township	Received from Other Sources	
\$12,500 10,000		1915 1918	\$2,208 2,122	\$554 96	.06	Henry	Incl.intown \$243 464 692	.06 .02 .02 .02	\$1,554 131	1 2
14,000 52,000 10,000 10,000 11,500 35,000 10,000	Eckhart Sutton	1902 1905 1915 1917 1904 1911 1914	3,026 12,440 1,986 3,113 2,083 4,721 2,020	1,500 10,086 1,166 276 1,249 3,164 372	.06 .05 .10 .05 .04	Green. Monroe. Anderson. Pleasant. Jackson. Logan. Jackson Center.	798 329 255 610 548 200	.015 .01 .05 .025 .01 .05	171 690 158 32 17 917	3 4 5 6 7 8 9
20,000 12,000 24,600 17,000 12,000	School	1902 1911 1918 1905 1905	1,344 3,787 3,990 4,857 3,971 4,916	2,665 1,311 4,024 2,529 2,222	.045 .08 .05 .05	Washington. Shawswick. Richland Bloomington Perry. Boone. Wood.	856 758 421 200 300	.015 .02 .03 .01 .01	488 362 359 311 441 1,423	10 11 12 13 14 15
Rent 8,350 20,000 7,200 10,000 10,000		1903 1904 1915 1917 1912	746 1,999 3,794 2,170 2,612 2,494	529 2,934 653 1,371 703	.10 .05 .05 .05	Wood. Grant. Brazil Iroquois. Jackson. Prairie. Brookville. Fairfield.	450 1,067 568 1,038 403 Incl.intown 535	.02 .05 .05 .02 .01 .015	3 72 291 637 99	16 17 18 19 20 21
12,500 Rent 10,000		1918	2,397 460 1,572	400 306 727	.03	Brown	333 1,079	.01	22 10 67	22 23 24
Rent			3,985	1,023	.07	Stafford. Troy. Wilmington. Jackson. Washington.	97 74 350 975 982	.01 .01 .02 .03 .03	921	25
City Hall 10,000 11,000	Subser	1917 1914 1902	248 1,754 2,107° 1,758	233 304 133	.02 .03 .05	Haddon Clay. Delaware. Ripley.	1,055 721 808 1,222	.03 .02 .02 .03	14 55 77	26 27 28 29
Rent Rent 13,000 8,000 9,700 25,000	Peabody	1911 1916 1917 1919	791 612 5,972 1,379 1,823 5,475	152 214 2,370 273 245 1,751	.02 .02 .065 .07 .03 .04	Charlestown Smith Clinton Clay Perry Columbia Thorn Creek Richland	612 240 1,686 775 551 1,510	.02 .01 .035 .04 .01	26 56 1,895 223 9 177	31 32 33 34 35 36
19,200 19,700 9,000 8,700		1902 1909 1918 1914	5,549 3,140 1,496 1,484	5,060 2,513 405 763		Connersville Jackson Harrison.	350 900 472	.02	257 150 58 135	37 38 39 40
10,000 26,000 12,000		1914 1902 1908	2,478 9,262 3,284	933 4,297 1,595	.04 .02 .05	Troy Union Center Winfield	1,779 899	.02 .015 .025 .005	44 216 209	41 42 43

¹ Unless otherwise specified, Carnegie building.

CITY OR TOWN	Name of Librarian	Population of Town	Rural Population Served	Date Organized	¹Law
44 Culver. 45 Danville. 46 Darlington. 47 Decatur. 48 Delphi. 49 Dublin. 50 Dunkirk. 51 Earl Park. 52 East Chicago. 53 †Edinburg. 54 Elkhart. 55 Elwood. 56 Evansville (Public).	Mrs. C. F. Whtte. Lou Robinson. Fay Miller. Annette Moses. Mary Cochrane Mrs. E. S. Morgan Inez Long. Sanna Deniston. Mrs. Frances Byers. Mary E. Howell Ella F. Corwin. Mrs. Ralph Donaldson. Ethel F. McCollough.	1,080 1,729 824 4,762 2,087 630 2,532 542 35,967 2,376 24,772 10,790 85,264	1,559 1,346 861 1,464 1,299 410 797 7,272 7,029	1915 1903 1914 1904 1900 1886 1917 1906 1910 1921 1903	1883
Evansville (Willard). 57 †Fairmount 58 Flora. 59 Fort Branch. 60 Fortville. 61 Fort Wayne. 62 Fowler.	Katherine Imbusch. Mrs. Wayne Fowler (Sec.). Ruth Dawson. Mattie Holcomb Anna Trittipoe. Margaret M. Colerick. Mrs. Kate B. Hay	85, 264 2, 155 1, 441 1, 339 1, 213 86, 549 1, 442	983 1,180 1,235 27,754 5,492	1876 1915 1916 1916 1894 1906	Spec.
63 Francesville	Doris P. Petra	648 11,585 4,909	610 1,609 3,386	1915 1880 1911	1883
67 French Lick. 68 Garrett. 69 Gary.	Mrs. Grant A. Beaty. Grace Zerkle. Louis J. Bailey.	1,980 4,796 55,378	3,164 1,367 7,182	1919 1911 1908	
70 Gas City	Dorothy Eisenhardt Mrs. Sarah Arrick Elizabeth Rockwell Mrs. Grace C. Barker Belle S. Hanna Vernie Baldwin Mrs. Ida L. Ewing Dagmer Miller Mayme Hanson Mrs. Laura A. Hines. Mrs. Jeanie L. Sawyer Minta Fordney Mrs. W. E. Thaney	2,870 1,120 9,525 689 3,780 4,168 5,345 1,163 1,907 1,238 36,004 6,183 832	1,081 1,103 416 1,672 1,409 1,647 1,002 1,389 1,334	1916	1883
83	Winifred F. Ticer. Anna P. Blaich. Charles E. Rush Bertha F. Poindexter Mrs. G. B. Bunyan. Virginia Rinard. Mrs. Nita Barnett. Edith D. Lindley. Lena Myers. Evalyn Waller Mrs. Amy Kelley Mrs. Dana H. Sollenberger Bertha Ashby.	14,000 314,194 314,194 10,098 5,369 1,283 695 578 695 1,918 1,577 30,067 1,010	33,867 5,629 658 1,742 1,164 909 810 1,998		1883 1871 1852 1883
95 Lafayette	Flora Ruger	22,480		1882	1883

^{*}Report for less than a year. \dagger Not yet open. 1 Unless otherwise specified, law is 1901-03-19.

STATISTICS-Continued

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Costo Building	² Source of Building Fund	Date Completed	Total Income	Received from Town	Rate in Town	Township	Received from Township	Rate in Township	Received from Other Sources	
\$10,000 10,000 10,000 12,700 10,000 School 8,500 42,000		1916 1903 1915 1906 1906 1914 1914	\$1,987 3,063 1,715 3,827 3,519 374 1,380 2,205	\$1,719 1,252 305 1,593 2,612 158 853 510	.06 .04 .05 .025 .06 .08 .04	Center. Franklin. Washington. Deer Creek.	1,348	.03 .035 .05 .01 .0175	\$224 13 1,621 170 215 80 11	44 45 46 47 48 49 50 51 52 53
35,000 30,000 60,000		1903 1904 1912-	6,611	3,926	.045	Baugo Pike Creek	1,195	.02	3,865	55
65,000 9,000	Carpenter	1914 1885 1918 1917	48,864 14,455 2,043	45,750 5,066 650 1,166	.06	Vanderburgh Co. Monroe		.02	2,372 9,388 368	56 57 58 59
10,500 10,000 110,700 8,000		1917 1918 1904 1906	2,043 2,205 2,093 51,189 4,809	1,181 44,937 488	.07	Vernon	633	.03	97 1,624 81	60 61 62
9,000 24,000 17,500		1916 1907 1915	1,094 7,766 5,615	5,886 2,616	.005 .05 .06	Monroe Union Vernon Allen County 7 Twps. under County law Salem Center Franklin Needham Union Fremont French Lick Keyser.	307 432 1,141 806	.01 .02 .03 .02	735 386 381	63 64 65
Rent 10,000 111,700		1915 1912-	562 2,057	249 1,467	.05	Fremont	132	.05	312 69	66 67 68
		1919	46,761	31,830	.05	Calumet	640	.03 .045 .03	1,314	69
12,500 Rent 25,000 8,000 20,200 10,600 16,100 School Com.B'd Rent 27,000 15,000		1914 1902 1919 1903 1909 1905 1905 1919 1905 1904	2,421 823 6,917 1,015 5,574 3,715 3,867 669 2,700 2,889 28,316 3,181	877 647 4, 102 923 1, 635 1, 444 3, 762 228 1, 288 444 17, 813 2, 468	.10 .06 .03 .06 .01 .04 .08 .04 .05 .03 .038	Hobart. St. John. Westchester. Mill. Elkhart. Hammond. Greencastle. Center. Liberty. Pleasant. Jefferson.	Incl.intown 586 1,836 	.05 .02 .05 .04 .03 .005 .02 .02	2,681 94 1,350 18 2,925 374 239 20 60 127 3,063	70 71 72 73 74 75 76 77 78 79 80 81
		1903	3,181 4,249 7,492 297	2,468 1,527 7,305	.07	LickingBooneEagle Creek	Incl.intown 324	.04	35 186 200	82
500,000 16,000 14,959 11,000 8,800 7,500 10,000 Rent 31,000 Owned	Reynolds	1917 1906 1914 1911 1914 1914 1914 1912	255, 484 3, 264 7, 468 2, 755 962 1, 558 2, 311 1, 622 11, 843 1, 767	171, 705 1, 631 4, 206 4, 206 4, 206 194 157 632 1, 182 996 8, 828 1, 090 9, 547	.04 .02 .10 .05 .045 .03 .02 .10 .03 .02 .08	Jeffersonville Jefferson Union Mill Creek Kirklin Center Clark Scott	2, 107 1, 176 739 380 Incl.intown	.02 .015 .025 .01 .02	83,778 423 1,265 401 25 111 25 175 74	84 85 86 87 88 89 90 91 92 93 94

² Unless otherwise specified, Carnegie building.

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	CITY OR TOWN	Name of Librarian	Population of Town	Rural Population Served	Date Organized	1 Law
	•	M 0 7 7 1 .	4 040		4040	
96 97 98	Lagrange Laporte Lawrenceburg	Mrs. G. E. Herbert. Mrs. Jennie B. Jessup. Corinne Tebbs.	1,610 15,158 3,464	855 1,320	1912 1897 1910	1883
99 100 101 102	Lebanon Liberty Ligonier † Linden	Mrs. Cora O. Bynum. Esther Hamilton. Mrs. Lena W. Stansbury. J. E. Honewell (Pres.)	6,257 1,292 2,037 557	2,278 4,922 867	1902 1913 1907	
103 104 105	Linton Logansport Lowell Lowell Logansport Lowell Lowell Logansport Lowell Lowell Logansport Lowell Lowell Lowell Lowell Lowell Lowell Lowell Lowell Lowell Logansport Lowell Low	Mrs. Lena W. Stansbury J. E. Hopewell (Pres.) Adria D. Humphreys Alice D. Stevens Mrs. Mary L. Davis	5,845 21,626 1,197	13, 136 2, 665	1908 1893 1918	1883
106 107 108	*Lynn Madison Marion Martinsville	Mrs. Jesse Horne (Sec.) Nellie G. Harper Daisy Springer	898 6,711 23,747	1,455 $13,928$	1920 1889 1884	
109 110	Martinsville Mentone	Bessie Caldwell Mrs. Cora Van Gilder	4,895 678	1,784 1,082	1906 1916	
111 112 113	Merom Michigan City Milford	Mrs. Bernice B. Daniels Mary B. Snyder Irene Lentz	503 19,457 811	1,624 1,926	1916 1895 1907	1881
114 115 116 117 118 119	Milroy Mishawaka Mitchell Monon Monterey Monticello	Alton Lawson Lyndell Martling Grace E. Mitchell Emma A. Pogue Mrs. Lena S. Collins Nora G. Gardner	669 15,195 3,025 1,357 304 2,536	740 2,552 1,164 817 1,068	1916 1907 1914 1913 1917 1903	1889 1881
120 121	Montpelier Mooresville	Mrs. Norris Talley	2,297 1,781	1,600 1,226	1907 1912	
122 123 124 125	Moscow (Milroy R. F. D.) Mt. Vernon Muncie Nappanee	Solon Tevis. Lola Nolte Mary Torrance Rachel Stier	145 5,284 36,524 2,678	2,339 2,545 1,514	1892 1875 1919	
126 127	Nashville. New Albany Public New Albany Township Newburg New Carlisle	Mrs. George Allison Annette L. Clark Susie B. Dowerman	323 22,992	6,696	1919 1884 1868	1883 1852
128 129 130 131 132	Newburg New Carlisle New Castle New Harmony Noblesville	Mrs. Edward Jones Mrs. Carrie R. Williams Lulu Christner Mrs. Nora C. Fretageot Lulu M. Miesse	1,295 609 14,468 1,120 4,758	2,038 1,227 5,609	1909 1902 1913 1838	Spec.
133 134 135 136 137 138 139 140 141	†North Judson North Manchester North Vernon Oakland City Odon Orland Orleans Osgood Otterbein	Dr. G. B. Corbitt (Pres.) Marie N. Creager Mrs. Iasae P. Caldwell Retta McCullough Zella Ackerman Mrs. Lettie Squires Mabel Wallace Mrs. Clara B. Jones Theresa H. Farrell	1,189 2,711 3,084 2,270 985 322	2, 265 10, 216 1, 026 1, 095 454 977 720 672	1908 1917 1917 1915 1902 1913 1911 1919	1899
142 143 144 145 146 147 148 149	Owensville Oxford Paoli Pendleton Pennville Peru Pieru Piereton Plainfield	Mrs. Jessie M. Mauck. Mable L. Deeds Mabel Hollowell Evangeline E. Lewis. Mrs. Josephine Walling Mrs. May Hurst Fowler Marie Shanton Orrell Negus	1,239 950 1,520 1,244 646 12,410 1,018 1,303	2,606 572 1,546 1,333 820 854 1,034 3,398	1915 1912 1917 1909 1896 1915 1901	1899 1883
150	Plymouth	Annie E. Carson	4,338	4,561	1910	

^{*}Report for less than a year. †Not yet open. ¹ Unless otherwise specified, law is 1901-03-19.

Cost of Building	Source of Building Fund	Date Completed	Total Income	Received from Town	Rate in Town	Township	Received from Township	Rate in Township	Received from Other Sources	
\$12,500		1919	\$2,806	\$1,160	.05	Bloomfield	\$462	.025	\$146	96
37,500		1920			.045	Clore	409	.02	3,261	97
11,000		1915	13,729 3,827	4,274 753	.05	Lawrenceburg	726	.03	132	98
15,000		1905	6,983	1,553	.02	Center	265 2,264 3,338	.03	457	99
15,000 10,000 10,000		1915 1908	4,139 3,678	391 2,856	.02	Union County	3,338 444	.02	121 316	100 101
		1909		583	.06	Lawrenceburg. Miller. Center. Union County Perry. Madison			393	102
15,000 35,000		1904	2,151 18,046 8,375	9,686	. 08	Cass County Cedar Creek West Creek Washington Jefferson Co	6,462	.04	1,012	104
14,500		1920		567	.05	West Creek	1,066	.015	97	105
Rent Rent			106 500			Washington Jefferson Co		.01	1,174 768	106 107
62,500 14,000		1902 1908	12 082	11,773 1,650	.035	Washington	583	.03	768	108
Rent			3,695 2,360	171	.02	Washington Franklin Harrison Gill Michigan Jefferson Van Buren Anderson Marion	650	.02	768 20	110
10,000		1918	1,987	286	.09	Gill	1,178	.02		iii
10,000 33,000 10,000	Subse	1897 1919	1,866	411	.05	Michigan Jefferson	667	.02	15	112
School			• • • • • • • • • • • •			Van Buren	774	.03		114
30,000 12,300 10,000		1916	5,397 1,794 2,877	2,342 806	.06	34	7774	.05	553 231	115
10,000		1917 1914	$\frac{1,794}{2,877}$	527	.08	Monon	1,209	.025	66	116 117
5,000 10,000		1918 1907	1,384 2,781	182 2,755	.03	Tippecanoe	956 Incl.intown	.04	17 16	118 119
10,000		1908 1916	1,384 2,781 3,155 3,281	914 624	.07	Harrison	1,000	.02	185	120
10,000		1910	3,281	024	.05	Madison		.03	2,000	121
12,000			5,320 18,809	3,307	.06	Marion Monon Tippecance Union Harrison Brown Madison Orange Black Center Locke Scott Union Brown County	1,270	.01	568	122 123
55,000 Owned		1904	18,809 2,797	3,307 13,328 751	.05	Center	2,186 529	.05	658 230	124 125
						Scott	377	.02		
Rent			384	482		Brown County	+04	.005	235	126
40,000		1904	6,063	482	.028	New Albany Ohio Olive				127
10,000		1919 1921	2,361	116	. 05 . 005	Ohio	912 885	.05	500	128 129
20,000	Murphy	1916 1894	3,302	3,005	.03				23 296	130
9,000 20,000 23,000 15,000	Murphy	1913	2,361 1,986 3,302 7,000 7,693	3,005 Endow't 1,263	.06	4 Twps. under				131
						Wayne	3,830	.04		132 133
10,600		1912 1920	3,522 8,144 1,902	2,454	.02	4 Twps. under County Law. Wayne. Chester Jennings Co. Columbia. Madison. Millgrove. Orleans Center Boliver. Medina Montgomery	Incl.intown 5,499	.02	12 269	134 135
City Hall			1,902	1,001 a	.07	Columbia	422	.05	9	136
Rent 5,000 10,000 8,800	Joyce	1903	905		.05	Millgrove	507	.05	14	137 138
10,000 8,800		1915 1914	1,280 1,121 5,389	574 457 3,824	.06	Center	574 520	.03	27 82	139 140
Owned				3,824	.07	Boliver	Incl.intown	.10	472	141
12,000		1917	2,953	513 840	.045	Montgomery	1,411	.015	48 25	142
8,000 8,000		1917 1918	1,662 1,100 2,329	543	.05	Paoli	513	.05	59	143 144
8,500 School		1912	297	599	.05	Montgomery Oak Grove Paoli Fall Creek Penn	1,269	.02	358	145 146
24,000 10,000		1903 1918	9,668	4,967	.03	Peru	1,209 452 Incl.intown	.02	696 28	147
9,600		1913	1,402 3,535	1,016 727	.06	Guilford	1,305	. 035	4	149
17,000		1913	5,334	844	.045	Penn. Peru. Washington Guilford Liberty Center. North West.	1,496 1,409	.025	137	150
						North West	405 576	.02		
							0.3			

²Unless otherwise specified, Carnegie building.

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	CITY OR TOWN	Name of Librarian	Population of Town	Rural Population Served	Date Organized	¹Law
151 152 153 154 155 156 157 158 159 160 161 162 163	Porter . Portland . Poseyville . Princeton . Remington . Rensselaer . Richmond . Ridgeville . Rising Sun . Roachdale . Roann . **Roanoke .	Emily Peterson Louise Timmonds Caroline Elliott Anna F. Embree Mollie Shearer Antoinette Price Mrs. Ada L. Bernhardt Mrs. Florence Grahg Jane North Mrs. Lulu Payne Mrs. Nora Story Mrs. Fage Davidson Grace Stingly	5,958 881 7,132 1,044 2,912 26,765 1,042 1,411 876 414 760 3,720	1,432 1,190 2,708 908 1,071 4,681 3,613 979 189	1914 1898 1898 1883 1913 1903 1864 1912 1915 1912 1914 1920 1904	
164 165 166 167 168 169 170 171 172 173	Rockport Rockville Royal Center Rushville Salem Seottsburg Seymour Shelbyville Sheridan Shoals	Jessie G. Harrison Mary E. Lambert Olive Rhody. Mary A. Sleeth Wilma R. Porter Kate Morrison Katherine Frazee Bertha Bowlby Nellie Pettijohn Mrs. Marie Brown	2,581 1,968 900 5,498 2,836 1,609 7,348 9,701 1,761 1,034	2,248 1,533 833 2,125 5,815 1,164 1,362 1,982 2,079	1915 1913 1914 1910 1903 1917 1904 1897 1910 1912	1917 1883
174 175 176	South Bend	Virginia M. Tutt. Mrs. Anne Metzger Blanche Barr.	70,983 1,074 2,066	1,467 2,276	1888 1913 1906	1883
177 178 179 180 181 182 183 184	*Stilesville Sullivan Swayzee Syracuse. Tell City. Terre Haute Thorntown Tipton	Ella Larimore. Mrs. Alice M. Burns. M. Mark. Helen Bowld. Mrs. Emma B. Phillips. Mrs. Sallie C. Hughes. Ruth M. Cox. Mrs. Sam Matthews.	357 4,489 650 1,171 4,086 66,083 1,432 4,507	2,693 991 805 938 4,416	1921 1902 1919 1908 1904 1882 1912 1901	1901 1883
185 186 187 188 189 190 191 192 193 194 195 196 197 198	Union City. Valparaiso Van Buren. Vevay Vincennes Wabash: Walkerton Walton Warren Warren Warsaw Washington Waterloo Waveland Westfield West Lafayette	Jessie L. Kerr Zada M. Carr Lydia McMillan Anna Brockschlager Ella Davidson Effie Roberts Mabelle Conrad Averil Campbell Inez Black Miriam Netter Mildred Draddy Leora Yeagy Evelyn Fullenwider Evelyn Fullenwider Eva Wells	3,406 6,518 861 1,175 17,210 9,872 1,031 713 1,520 5,478 8,743 1,172 590 574	904 1,260 8,136 2,038 1,027 1,537 3,591 479 1,440 2,300	1902 1905 1917 1915 1889 1901 1913 1914 1916 1885 1901 1912 1914 1901	1917 1883
199 200 201 202 203 204 205 206 207	West Latayette West Lebanon Westville Whiting Williamsport Winamac Winchester Worthington Zionsville	Ruth E. Biser. E. T. Scott. Adah Shelly. Mina Dannecker Joanna O'Connell Mary J. Diggs. Dorothy Strouse. Jesse F. Phillippi, Trustee.	637 408 10, 145 1, 088 1, 684 4, 021 1, 853 957	360 945 393 896 753	1914 1913 1904 1915 1905 1912 1912	1883 1889

^{*}Report for less than a year. †Not yet open. ¹Unless otherwise specified law is 1901-03-19.

STATISTICS—Continued

Cost of Building	Source of Building Fund	Date Completed	Total Income	Received from Town	Rate in Town	Township	Received from Township	Rate in Township	Received from Other Sources	
City Hall 15, 000 5,500 15,000 10,000 12,000 50,000 Rent 10,000 10,000 Rent	Morrison	1902 1905 1905 1916 1905 1864 1918 1914 1918	\$446 5, 156 574 5, 253 2, 077 3, 697 11, 523 607 1, 802 2, 599 1, 966 637	\$265 3,781 239 1,382 244 1,071 	.02 .065 .06 .025 .03 .05 .10 .05 .05 .06	Wayne Robb Patoka Carpenter Marion Wayne Ohio County Franklin Pawpaw	1, 471 1, 182 1, 195 544 987 Incl.intown	.02 .005 .025 .02 .05 .025 .025	\$106 6 2,260 22 84 630 61 213 28 63	151 152 153 154 155 156 157 158 159 160 161 162
17,000 12,500 10,000 Court H. 17,500 20,300 10,000		1907 1919 1916 1915 1905 1920 1905 1903 1913 1915 	3,938 1,997 1,837 2,720 2,475 3,371 3,480 4,453 10,721 3,443 1,168 56,071	1,020 913 600 1,012 2,429 1,559 2,085 6,032 643 321 45,309	.02 .05 .04 .05 .02 .10 .05 .03 .06 .05 .10	5 Twps. under County Law Ohio. Adams. Boone. Washington. Scott County Jackson. Addison. Addison. Adams. Center. Halbert.	924 743 1,184 905 1,915 369 679 1,442 287 517	.03 .02 .02 .03 .05 .05 .01 .015 .025 .07	247 99 97 9 44 67 356 212 52 42	163 164 165 166 167 168 169 170 171 172 173
Owned 10,500 School 10,000 Rent 10,000 10,000 10,000 10,000 13,000	Fairbanks	1912 1905 1921 1917 1906 1915 1902	1,950 2,675 241 2,597 602 1,695 1,573 22,071 2,891 3,815	1,499 234 488 1,202 19,735 708 1,876	.04 .10 .05 .05 .04 .06	Cleveland Washington Clay Montgomery Washington Franklin Hamilton Sims Turkey Creek Sugar Creek Cicero	252 214 721 Incl.intown 177 631 929 579	.03 .05 .05 .05 .01 .02 .05 .02 .05	68 103 629 83 34 370 2,336 699 198	175 176 177 178 179 180 181 182 183 184
11,000 22,000 10,000 12,500 35,000 20,000 Rent 10,000 10,600 17,000 23,000 9,000 10,000 9,000		1904 1916 1919 1918 1919 1903 1915 1920 1917 1903 1914 1915 1911	1,971 3,962 2,950 3,496 6,771 3,627 1,809 2,281 4,515 4,638 1,246 1,750 2,274	1,403 2,748 652 297 6,424 3,355 450 83 620 3,090 3,670 488 310 121	.08 .07 .06 .05 .03 .05 .04 .01 .05 .10 .05 .025 .08	Madison. Center. Van Buren. Switzerland Co. Tipton. Salamonie. Wayne. Washington. Grant. Brown. Washington.	799 1,229 2,180 1,376 1,268 1,196 682 682	.005 .02 .08 .07 .02 .025 .05 .02 .03 .03 .015	123 237 34 1,018 106 272 43 44 35 291 147 5	185 186 187 188 189 190 191 192 193 194 195 196 197 198
7,500 8,000 20,000 8,000 10,000 12,000 10,000 Rent		1916 1915 1906 1917 1916 1916 1918	1,858 1,235 16,187 1,508 2,174 3,088 1,307 412	1,006 62 11,328 306 1,042 1,793 688	.04 .05 .03 .045 .10 .10 .04 .05	Pike New Durham Washington Monroe Jefferson Eagle	Incl.intown 955	.04 .03 .07 .05	32 87 318 99 108	199 200 201 202 203 204 205 206 207

²Unless otherwise specified, Carnegie building. '

TAX-SUPPORTED PUBLIC LIBRARIES—Continued

	10100410	002	12545	2018116	22222	88848	122222
Insurance	\$68 833 146	204	87 189 14 110	31 659 107	51 12 29		6 46 11
Supplies	\$96 47 58 422 68	150 45 41 101	139 57 58 102	24 a 25 0 8	43 73 30 145	1 19 18	16 15 357 30 25
Light	\$109 116 94 454 95	36 140 121 147	130 32 Incl.in heat 130 227	18 20 20 54 54	62 83 70 83	62	173 173 14 16
Heat	\$11 201 516 874 248	247 347 392 132	422 194 247 394 240	24 153 193 163 170	212 194 11 160 33	114 209 233	27 122 160 144
Rent	\$11	114		80	75	16 37	144
Janitor	\$310 300 312 840 231	216 240 740 331	267 182 820 520 130	8 374 600 223 360	337 100 127	300 456 209	380 121 Incl. janitor
Salaries— Library Staff	\$510 600 1,054 5,775 458	912 786 1,250 925 130	1,190 657 1,667 1,673 1,360	145 540 1,330 852 614	680 600 170 740 1,492	132 610 493 681	419 197 1,881 480 720
Binding Expend- i tures	\$37 112 289	146	195 78 234 52	83 83 83	47	24 176 4	24 570
Periodical Expend- itures	\$73 62 161 349 79	77 117 210 107	160 84 157 189 74	43 108 62 85 85	69 82 84 16 16 16 16	60 55 41	206 93 34
Book Expend- itures	\$239 674 538 2,090 320	1,203 268 555 478 480	542 84 1,156 431 1,144	110 68 485 385 273	465 402 17 105 896	61 118 200 217	31 185 1,260 1,260 106
Total Expend- itures	\$1,690 2,199 3,026 12,365 1,767	1,113 2,025 3,647 2,297 921	3,787 1,586 5,215 3,967 3,459	531 1,573 3,794 2,153 2,080	2,188 2,266 1,213 3,903	203 1,421 1,754 1,443	560 5,959 1,371 1,339
Сит ов Томи	Akron Akandria Anderson Angola	Atlanta. Attica. Auburn. Auvora. Avon (Danville R. F. D.)	Bedford. Bloomfield. Bloomington Bluffton. Boonville.	Borden. Boswell. Brazil. Brook. Brookston.	Brookville. Brownsburg. Brownstown. Brownstown. Cambridge City.	Cannelton. Carlisle. Carriage. *Centrage.	Charlestown Churubusco Clinton Coltain Costesville Colfax
li	c1 c2 4 r0	6 8 9 10	12244	8128128	22222	828228	######################################

36 33 40	13344	44 44 48 50	55 55 55	26	57 58 59	912384	65 67 69 69	22224
170	18 21 143	82 104 8	148		118	219	113 39 91	17
144 344 31 39 67	50 132 111 52 35	44 47 46 48	70 70 169	2,363		2,629 85 36 273	178 13 74 1,669	194
95 216 133 47 48	128 108 108 81 42	36 159 41	48 228 208	729	27	823 72 72 44 227	215 145 1,306	173 173 46 58
331 234 161 164 140	103 515 276 506 290	176 365 277	360	298	213 95	2,364 256 180 878	372 15 246 1, 157	221 448 51 66
				1,021 Incl. insur.		1,080	75	108
845 828 423 104	216 969 253 360 260	Incl. janitor 330 335	129	3,622	252	4, 500 173 500	627 9 240 4,145	300 785 96 884
1,739 1,760 1,427 660 487	498 2,879 1,045 780	920 1,102 833 79 365	1,020	36,398.	360	25, 525 1, 590 2, 600	223 114 679 18,019	1,276 230 3,077 390 1,760
161 209 145 49 50	488 213	56 110 40	245	3,873		3,444	457	56 27 342 168
138 219 294 66 66	63 234 136 98 121	88 22 90 73 73	40	1,316	79	1,451 115 43 234	136	123 32 105 40 9
1, 159 1, 241 1, 241 318 396 293	523 819 469 96 579	219 437 425 166 389	246 2,874 393	11,491	628	371 9,379 571 154 2,208	843 86 3,601	302 228 754 199 98
5,148 3,015 1,452 1,384	1,618 6,440 2,710 2,053 2,574	1,655 3,827 2,959 340 883	1, 950 17, 343 4, 613	72,042	2,443	2,031 55,701 4,717 1,031 7,456	5, 608 2, 308 39, 438	4, 616 674 6, 829 1, 008 4, 513
Columbia City. Jolumbus. Contersyile Converse. Onzwerse.	Govington. Crawfordsville. Srown Point. Laiver. Danville.	Darlington. Decatur Delphi. Oublin. Dunkirk.	Earl Park. East Chicago. Fidinburg. Elithart.	Evansville (Public	Fairmount Flora Fort Branch	Fortville. Fort Wayne. Forfer. Forfer. Franceville. Frankfort.	Franklin. Fremont Fremont French Lick French Lick Garrett.	Gas City. Goodland, Goodland, Greshen. Grandview. Greencastie.
858838 40000	44444 00001	46 I 48 I 1 49 I 1 50 I 1 50 I 1	52 53 54 55 55 55 55 55	56 H	57 *F 58 F 59 F	60 H 62 H 63 H 64 H	65 FF	51224 000 000

*Report for less than a year. †Not yet open.

TAX-SUPPORTED PUBLIC LIBRARIES—Continued

	75 77 78 79	83.83.80	258 258 88 88 88 88	886188	94 95 97 98	99 100 100 103 103	104 105 106 107 108
Insurance	\$72 16 30	1,010	815 106 47	58 24	35 380 304 111	42 41 169	1,378 152 15 115
Supplies	\$31 139 21 19 223	411 29 111 12	1,147 154 77 44 21	55 53 10 95 357	92 100 8 8 126 8	192 137 79	372 126 3
Light	\$147 Incl. light	346 162 Incl. light 212	1,535 112 110 57 75	61 72 9 225	12 314 46 180	359 102 117	. 390 . 64 1 6 Inel. light
Heat	\$654 204 66	361 567 38 300	5,585 220 821 370 425	45 115 113 354	32 1,014 330 363 152	470 204. 365	668 317 5 30 3,761
Rent	\$70		1,251	120	180 26 465	30	75 50 100
Janitor	\$240 660 4 61	1,272 250 900	23, 495 300 720 360	120 300 215 29 840	1,216 240 927 360	324 275 540 540	1, 378 244
Salaries— Library Staff	\$1,389 1,500 148 787 340	6,758 1,275 295 4,140 140	127,385 1,364 1,420 660 300	240 435 620 145 3,513	9,463 774 1,766 1,320	1,800 1,478 825	6, 261 780 240 4, 549
Binding Expend- itures	\$111	736 210 225	10,008 37 23 310	671	319 20 554	169 144 144	163
Periodical Expend- tures	\$120 194 2 40	518 169 67 354	3,580 160 73 84 84	30 37 76 17 Including	periodicals 60 811 94 240 47	171 191 127 105	526 80 413
Book Expend- itures	\$508 723 212 246 310	2,566 466 209 962 20	25,407 484 869 411 62	162 326 165 115 2,319	251 1,288 247 802 737	1,183 375 323	3,437 410 35 2,205
Total Expend- i tures	\$3,611 3,867 412 1,536 1,271	18,809 3,347 3,509 7,463 173	255,484 3,337 4,439 2,600 1,472	722 1,368 3,302 1,062 10,021	2,011 10,257 2,102 21,439 3,258	5,160 4,301 2,999 2,062	17,455 3,073 102 391 12,982
Спу ов Тоwn	75 Greenfield. 77 Greensburg. 78 Greenwan. 78 Greenwood. 79 Hagerstown.	80 Hammond. 81 Hartford City. 82 Hebron. 83 Huthington. Indianapolis (County).	84 Indianapolis (City) 85 Jeffersonville 86 Kendallyllle 87 Kentland 88 Kewana	89 Kingman 90 Kirkin. 91 Kinghtstown. 22 Knox. 93 Kokomo.	94 Ladoga. 95 Lafayette. 96 Lagrange. 98 Laprorte. 98 Lawrenceburg.	99 Lebanon 100 Liberty 101 Ligonier 102 Linden 103 Linton	104 Logansport 105 Lowell 106 Lynn 107 Madison 108 Marion.
1							

109	114 115 117 118	119 120 121 123 123	124 125 126 127	128 129 130 131	134 135 136 137	138 140 141 142	143 145 146 147
10	198	109 35 43	ę	32 66	9	46	
108 1 27 46	520 87 69 32	53 100 76	387 164 59 112	64 7 70 205 199	478 37 56	354 92 92 33	68 111 64
218 9 38 2	119 163 14	15 103 81	22 15 143	67 Incl. light Incl. light 119	60 124 12	15 82 49 25 91	24
221 45 121 208	93 289 202 135	194 204 96	Incl. light 59 19 484	605 268 162	431 244 18 5	28 117 132 105 166	205 79 246 4 190
120			1,510		48		
345	945 945 455 540 5	359	Incl.jamitor 72 4 563	179 360 480 278	240 115	300 260 21 226	240 150 212 525
1,597 322 450 483	3,149 561 600 415	1, 180 1, 180 528 1,816	7,668 501 104 2,100	558 300 1,460 1,750 2,327	2,841 555 233	180 300 334 682 502	\$600 352 351 851 851 2,271
119	479 249 1	175	1,298	20 35 175 103		22	171 76 52 277
158 35 86 72	172 126 72 12	85 60 63 183	694 84 195	33 37 229 145	122 157 35 52	32 45 16 55	90 68 69 18 253
472 249 150 492	2, 494 149 409 150	460 554 140 350	4,588 904 469	609 167 1,172 456 1,558	458 457 1,092 354	133 324 59 266 1,015	301 171 171 • 435 69 1, 165
3, 426 885 1, 224 1, 787	8,471 2,143 2,357 1,022	2, 202 2, 353 3, 243 3, 175	16,453 2,569 336 4,740	1, 145 607, 4, 024 5, 378 7, 669	2,106 9,054 1,745 790	543 1,261 1,032 1,808 2,192	1,717 1,211 2,081 175 5,240
9 Martinsville 0 Mentone. 1 Merom 1 Merom 3 Mildord.	4 Milroy. 5 Mishawka. 6 Mitchell. 7 Monon. 8 Monterey.	9 Monticello. 0 Montpelier. 1 Mooresville. 2 Moscow (Milroy R. F. D.).	4 Muncie. 5 Nappanee. 6 Nashyrile. 7 New Albany (Public).		3 †North Judson. 4 North Manchester. 5 North Vernon. 6 and Gity.	8 Orland. 9 Orlans. 0 Organs. 1 Otterbein.	3 Oxford 4 Paoli 5 Pendleton 7 Pen Pen Pen 7 Pen Pen Pen Pen *Renort for less than a way
11321109	1115 1115 1116 1117	113 122 123 123 123	124 125 126 126	128 130 131 131	133 134 135 136 136	138 140 141 142	143 144 145 146 147

*Report for less than a year. †Not yet open.

TAX-SUPPORTED PUBLIC LIBRARIES—Continued

	148 149 150 151	153 154 155 155 156	158 159 160 161 161	163 164 165 166 167	168 169 171 172 172	173	175 176 177
Insurance	\$30 330	15 15 38	13	30 96	374	121 30 6	296
Supplies	\$11 98 209 70	6 146 88 84 4 173	23 23 54 45	262 60 60	. 85 . 40 . 39 . 124 . 48	1,762	25.4 24.4 24.4
Light	\$48 52 130	161 104 72 289	59 100 46 10	216 72 186 17	144 22 126 364 71	62 312	25 91
Heat	\$152 91 270 452	349 349 351 952	174 120 245 13	308 144 185 158	236 161 255	$\frac{128}{1,292}$	100
Rent			\$66		20		
Janitor	\$285 480 480	360 300 240 867	180 264 252	360 261 160 240	382 335 240 420 480	152	46 170
Salaries— Iffbrary Staff	\$450 1,440 2,009 805	2, 131 480 1, 200 4, 165	196 898 470 325 84	1,846 592 600 496 1,346	954 1,705 3,454 740	582 22,455	625 881 260
Binding Expend- itures	\$275	467	40 40 36 16 22	169 32 21	30 111 157 157 361 113	1,766	83
Periodical Expend- itures	\$45 139 172	137 45 217 379	65 75 29	234 77 96 33	138 44 170 189 132	949	66 25 25
Book Expend- itures	\$145 647 630	209 530 82 615 1,019	317 180 181 102	381 516 324 492 665	548 40 1,172 712 373	224 6,094	334 364 168
Total Expend- itures	\$1,155 3,568 4,903 183 3,099	5, 214 1, 116 4, 203 8, 920	434 2,040 · 1,416 1,164 331	4, 394 1, 832 1, 606 1, 719 2, 311	2, 993 1, 839 4, 281 5, 753 2, 970	1,395 $40,445$	1,955 2,299 479
City or Town	Piereeton Plainfield Pymouth Porter Portland	Poseyville. Princeton Remington Resseler Richmond	Ridgeville. Rising Sun. Roachdale. Roann. Roann.	Rochester Rockport Rockville Rockville Rushville	Salem. Sootsaburg. Seymour. Shyryille. Shellyayille.	Shoals. South Bend	South Whitley Spencer *Shi jeaville
	148 150 151	153 154 155 156	158 159 161 162	163 165 166 167	171	173	175

178 179 180 181 182	183 185 185 187	188 189 190 191 192	193 194 195 196 197	198 200 201 202	202 204 205 206
48 104 90 457	436 28 28 72 72	40	82	65 103 180	51 111 10
4 36 47 618	36	112 99 134 20	23 35 137 28 26	28	39 99 77
67 12 78 330	133 . 53 449 31	122 160 160 15 38	23 199 143 66 66	289 40 289 40 34 89	55 95 Incl. light
186 20 68 145 1,570	97 248 432 360	112 285 926 200	81 149 285 185 203	172 132 90 353 46	177
120		100	408	120	30
260 120 10 285 Incl. janitor	205 Incl. janitor 327 480 300	203 660 300 480	. 950 840 180 192	195 Incl. janitor 1,569 176	300 330 Incl. janitor
961 253 610 26,513	1,883 481 1,940 300	1,188 2,729 1,470 260 720	375 1,875 1,260 480 641	423 · 440 3, 382 3, 256	720 607 617 57
884	136	95 353 86 11	139 394	98	09
57 12 24 45 1,328	106 81 89 267 52	122 288 164 35	, 260 160 67 91	47 42 56 307 57	115 88 75
80 219 278 4,444	177 642 297 287 550	1,034 695 1,039 77	528 742 626 178 248	410 224 293 1, 697 10	291 449 206 94
2,514 255 760 1,712 36,967	2,754 3,272 1,827 1,677	3,496 5,637 5,027 1,747	1,781 6,472 4,441 1,246 1,747	1,928 1,142 1,094 9,282 637	1,849 1,792 1,415 204
Sullivan Swayzee Syrause Fell City. Porre Haute.	Rhorntown. Diptom. Jinon City. Kalpariaso. 'an Buren.	Vevay. Vincennes Wabash Walkerin. Walkorin.	Warren. Wasing Washington Waskerjoo.	Westfield. West Lebanon. Westville. Whiting.	Winamac. Winchester Worthington Zionsville.
178 179 180 181 181 182	183 7 184 7 185 1 186 V	188 V 189 V 191 V 192 V	193 V 194 V 195 V 196 V 197 V	198 V 199 V 200 V 201 V 202 V	203 V 204 V 205 V 206 Z

*Report for less than a year. †Not yet open.

CITY OR TOWN	Total Number of Borrowers	Rural Borrowers	Total Number Volumes	Volumes Added in Year	Periodicals Received	Total Circulation
1 Akron. 2 Albion. 2 Albion. 3 Alexandria. 4 Anderson. 5 Angola. 6 Atlanta. 7 Attica. 8 Auburn. 9 Aurora. 10 Avon (Danville R. F. D.). 11 Bedford. 12 Bloomfield. 13 Bloomington. 14 Bluffton. 15 Boonville. 16 Borden. 17 Boswell. 18 Brazil. 19 Brook. 20 Brookston. 21 Brookville. 22 Brownsburg. 23 Brownstown. 24 Butler. 25 Cambellon. 26 Cannelton. 27 Carlisle. 28 Carmel. 29 Carthage. 30 *Centerville. 31 Charlestown. 32 Churubusco. 33 Clinton. 34 Coatesville. 35 Colfax. 36 Columbia City. 37 Columbia City. 38 Connersville. 39 Converse. 40 Corydon. 41 Covington. 42 Craw Fordorsville. 43 Crown Point. 44 Culver. 45 Darlington. 47 Decatur. 48 Delphi. 49 Dublin. 50 Unikrk. 51 Earl Park. 52 East Chicago.	1,779 1,644 1,969 1,949 1,050 1,300 1,082 2,726 293 1,329 1,597 935 341 679 7,336 879 847 3,077 929 3,286 518 1,168 3,970 1,859 1,281 1,188 1,168 3,970 1,859 1,281 2,176 630 415 3,151	\$82 555 510 \$12 372 130 470 495 388 1, 204 \$181 303 736 487 465 \$1, 282 \$716 1, 387 411 \$2, 402 565 \$177 273 188 313	3,315 5,055 5,049 17,463 4,920 4,362 6,997 6,705 6,514 996 11,440 4,291 8,934 11,905 5,524 1,508 2,307 15,353 3,175 2,096 4,190 2,240 1,732 5,260 8,257 3,026 4,041 5,995 2,595 2,338 12,942 2,388 12,942 3,586 1,654 11,453 -16,141 8,499 3,045 2,416 4,159 16,936 6,472 3,287 8,038 3,394 6,748 3,545 2,733 3,945 2,733 3,949	167 597 456 1, 622 265 1, 114 191 452 363 550 79 123 1, 431 402 1, 210 520 80 80 80 575 233 1, 431 120 256 1, 395 2, 707 216 182 237 7, 767 345 1, 196 527 274 395 274 395 274 395 276 239 560 203 352 248 136 452 2173	24 19 44 139 26 29 47 70 35 51 60 26 19 18 31 11 21 11 28 51 11 34 27 51 51 51 51 51 51 51 51 51 51	9, 798 27, 140 28, 921 74, 295 20, 069 23, 384 15, 626 26, 354 24, 833 4, 747 32, 485 37, 954 7, 021 26, 538 13, 490 10, 461 157, 099 2, 434 11, 450 12, 240 10, 461 157, 099 2, 434 11, 450 12, 039 16, 186 19, 900 2, 434 11, 450 12, 039 2, 434 11, 450 12, 039 2, 434 11, 450 12, 039 2, 434 11, 450 12, 039 2, 434 11, 450 12, 039 2, 434 11, 90, 641 11, 904
53 †Edinburg 54 Elkhart 55 Elwood 56 Evansville (Public) Evansville (Willard)	9,838 5,468 37,455 15,830	1,470	30,406 14,000 69,943 50,420	2,418 335 12,349 1,878	187 73 157	143,779 48,443 509.918 79 031
9 Dublin 50 Dunkirk 51 Earl Park 52 East Chicago 53 †Bdinburg 54 Elkhart 55 Elwood 56 Evansville (Public) 57 *Fairmount 58 Flora 59 Fort Branch 60 Fortville 61 Fort Wayne 62 Fowler 63 Francesville 64 Frankfort 65 Frankin 66 Fremont 67 French Lick	1,048 1,159 1,265 27,116 2,143 569 6,069 2,745	408 352 1,107 190	2, 495 2, 353 2, 759 91, 265 5, 502 1, 793 16, 308 8, 829	500 232 390 9,833 644 259 1,737 1,589	20 14 15 326 41 31 92	10,389 11,745 14,497 291,524 15,676 11,242 73,537 42,259
66 Fremont	443	42	763	319		5,429

^{*}Report for less than a year.

LIBRARIES-Continued

Fiction Loaned	Non-Fiction Loaned	Juveniles Loaned.	Number of Assistants	Vacations	Hours Open Per Week	L brarians Hours Per Week
22,537 21,785 60,021 14,949 20,350 12,087 19,411 20,346 4,147	4,603 7,136 14,274 5,120 3,034 3,539 6,943 4,487 600	9,006 11,815 16,303 6,538 10,514 5,462 11,895 14,121 2,482 19,242	0 0 1 5 1 2 1 1 1 0	Holidays. None. Two Weeks. Two Weeks. Holidays. Two Weeks. Two Weeks. None. One Month.	30 33 631/2 72 30 48 48 60 42 36 52	30 33 48 42 36 48 42 60 42 36 1 42 1
8,348 36,637 28,485 33,892	3,395 14,105 13,600 4,062	8,014 33,746 30,840 20,869	0 1 1 1	One Month. Holidays. One Month. Two Weeks. None. Holidays. Two Weeks.	30 63 66 42 6	48 1 42 1 42 1 39 1 6 1
4,718 25,167 11,686 10,005 14,066 12,804	2,302 1,371 1,804 497 5,834 2,404	1,509 13,201 4,984 2,797 7,619 7,425 7,120	0 0 1 1 0 0 0 0	None. Holidays. Two Weeks. None. Two Weeks. None. Two Weeks. None. Two Weeks. Two Weeks.	30	30 1 48 1 33 1 42 2 30 2 42 2; 21 2;
28, 243 9, 213 6, 562 9, 212 8, 238	28,856 221 4,888 2,827 7,948	15,501 3,175 6,694 3,689 4,084	0 1 0 0 0	Two Weeks. Two Weeks. Holidays. Two Weeks. One Week. Holidays.	$\begin{array}{c} 42 \\ 43\frac{1}{2} \\ 10 \\ 37 \\ 41 \\ 34 \end{array}$	$\begin{array}{c ccccc} 42 & 2 & 2 & 43 & 2 & 2 & 43 & 2 & 2 & 2 & 2 & 2 & 2 & 2 & 2 & 2 & $
7, 685 82, 287 12, 864 7, 765 16, 408 39, 222 24, 057 11, 396 14, 429 13, 537 23, 752 13, 606 5, 621	971 36, 356 2, 146 2, 856 8, 658 11, 020 5, 929 2, 977 1, 495 552 3, 627 6, 829 4, 099	1, 691 1, 525 59, 598 4, 595 3, 842 10, 651 3, 477 6, 240 5, 082 10, 568 9, 446 4, 634 6, 972 2, 729 11, 890 6, 050 4, 500	0 0 1 0 0 0 1 1 1 1 1 0 0 0 0 0 0 1 1 1 1 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0	Holidays. None. Ten Days. Two Weeks. Holdays. One Month Two Weeks. None. Holidays. Two Weeks. Holidays. Two Weeks.	45 16 57 24 32 69 63 72 42 30 30 75 42 30 42 30 42 30 42 30 42 30 42 30 42 30 42 30 42 30 42 30 42 30 42 42 30 42 42 42 42 42 42 42 42 42 42 42 42 42	45 33 48 33 42 36 48 33 42 36 48 33 42 36 44 33 30 44 42 36 42 30 44 48 45 42 43 30 44 48 45 45 42 45 45 45 45 45 45 45 45 45 45 45 45 45
99,342 39,701 272,323	44,437 88,742 237,595	65,089 17,724 293,020	5 1 22 2	One Month One Month One Month One Month	72 69½ 76 9	45 54 45 55 42 56 9 56
9,279 7,113 11,806 167,080 11,188 8,787 48,136 29,424	1,110 4,632 2,691 123,444 4,488 2,455 16,401 13,835	3,796 5,390 5,279 126,062 5,996 3,457 33,555 17,013	0 0 0 19 1 0 2 2	None. One Week. Four Weeks. Two Weeks. Two Weeks. Tyo Weeks. Four Weeks.	36 28 42½ 75 48 27 72 76	57 36 58 28 59 48 60 48 61 42 62 30 63 45 64 45 65
		2,347	0	None	8	8 67

	1	r s		E	- G		-
		Fotal Number of Borrowers	Rural Borrowers	Total Number Volumes	Volumes Added in Year	m To	Total Circulation
	•	100)M(ne L	s A	Periodicals Received	lat
	CITY OR TOWN	Boll B	- E		. Ne	die	L ca
		of	Berr	ota Vc	olo in	Eğ.	Ci:Sta
		E	24	Ţ	Α	P	Ĭ
68	Garrett	$2,006 \\ 24,571$	218	4,505 79,183	434	34 174	20,408
69 70	Gary	1,195	3,571 410	3,373	80,893 505	36	418, 155
71	Gas CityGoodland	553	410	2,707	121	18	21,637 7,243
		4,947	750	14,517	539	105	85,843
73	Grandview	315		1,597	200	12	5,238
74 75	Greencastle	3,414	356	12,452 $9,902$	174 542	40	19,509 25,595
76	Grandview Greencastle Greenfield Greensburg Greensburg Greentown Greenwood	347		8,890	426	50	32,597
77	Greentown	559		1,148 2,632	406	2	6,556 11,580
78	Greenwood	1,097	146	2,632	347	18	11,580
79 80	Hagerstown	907 5,574	339	3,139 $26,750$	321 2,374	17 180	12,609 105,131
81	Hartford City	3 212	622	13,254	339	56	40,610
82	Hebron	620	196	1,366	482	18	8, 895
83	Huntington.	4. 122		35,964	254	100	59,334
84	Hagerstown Harmond Hartford City Hebron Huntington Indianapolis (County) Indianapolis (City) Jeffersonville Verschlie	96 66,781		244,293	23,893		1,469 887,548
85	Jeffersonville	5, 223		10.873	668	38	42,653
86	Kendallville	6,734		6,734	390	26	23,666
87	Jeffersonville Kendallville Kentland	903 718	365	3,780	353 94	41 21	13,668
88 89	Kentland Kewanna Kingman Kirklin Knightstown Knox Kokomo	605	909	3,014 1,330	112	10	9,414 3,893
90	Kirklin	1,045		2,697		18	9,097
91	Knightstown	1,295		5,634	201	42	15, 617
92	Knox	872 10,742		1,255 $20,270$	211 1,797	8 248	7,883 108,010
93 94	Kokomo	1,045	529	20,270	1,062	15	19,497
95	Lafavette	4,866		29,098	1,177	107	64, 518
96	Kokomo Ladoga Lafayette Lagrange Laporte Lawrenceburg Lebanon Liberty Ligonier Linden	1,213	418	3,571	280		16,065
97 98	Laporte	5,000 1,362		$25,126 \\ 6,352$	1,060 616	31	60,837 22,319
99	Lebanon	6,286	2,130	15,480	1,075	72	62,753
100	Liberty	2,727	1,749	5,026	945	50	62,753 27,962 31,031
101 102 †	Ligonier		245	6,245	385	33,	31,031
103	Linton	3.215		4,601	614	41	34,033
104	Logansport	3.068	861	27,320	3,453	118	101, 106
105	Lowell	878 232	330 83	1,503	427	30	11,761
106 107	Madison	232	00	8 850	228 3, 100	22	4,800 16,155
108	Marion	8,385		8,850 37,292	1,082	116	16, 155 125, 940
109	Martinsville	2,860		9,039	345	53	35,368
110 111	Linden Linton Logansport Lowell Lynn Madison Marion Martinsville Mentone	973 885		2,265 1,859	231 113	13 20	6,983 6,720
112	Menone Merom Michigan City Milford. Milroy Mishawaka. Mitchell					54	52,000
113	Milford	850		3,424	235	33	7 780
114 115	Milroy	573 3,524		2,162	126 1,849	50	1,890 69,551
116	Mitchell	1,842	489	9,783 3,220	365	42	20,554
		1,040	447	5,053	481	22	13, 368
110	M 4	581	338	2,437	517	11	8, 108
119 120	Montroello	2,504 1,670	385	$5.241 \\ 2.017$	404 522	24 22	13,430 23,517
121	Mooresville	1,526	449	3,622	33	25	14,634
122	Monticello Montpelier Mooresville Moscow (Milroy R. F.D.) Mt. Vernon Muncie						
123 124	Mt. Vernon	3,954 15,579		9,013 $39,983$	264 4,325	67 187	26, 266 199, 894
124	Nappanee	1, 103		1,680	1,705	41	9,894
126	Nashville	504		2,294	930	12	6, 252
127	New Albany (Public)	7,527		28,325	750	75	61,688
128	Nappanee Nashville New Albany (Public) New Albany (Township) Newburg New Carlis'e New Castle New Harmony Noblesville	616		2,951	446	24	0.252
129	New Carlis'e	519		2.131	240	8	9,252 4,630
130	New Castle	4,231		5,800	655	50	37, 174 30, 028
190				. 00 004	378	95	20 020
131 132	New Harmony	728 3,171	1,522	23,204 10,390	2,026	70	44,060

^{*}Report for less than a year. †Not yet open.

LIBRARIES—Continued

Fiction Loaned	Non-Fiction Loaned	Juveniles Loaned	Number of Assistants	Vacations	Hours Open Per Week	Librarians Hours Per Week	
160, 581 16, 628 6, 724 55, 921	257,574 4,959 519 32,932	7,259 255,658 9,315 2,580 41,951 1,729	1 23 1 0 3 0	Two Weeks. One Month. Two Weeks. One Week. One Month None.	42 66 57 30½ 66 42	$\begin{array}{c} 42 \\ 45 \\ 42 \\ 30 \frac{1}{2} \\ 42 \\ 39 \\ 54 \end{array}$	68 69 70 71 72 73 74
19,177 26,662 9,850 11,624 65,490 33,729 6,435 38,013	6,418 5,935 1,730 985 39,641 6,881 2,460 21,371	12,307 9,476 3,635 2,775 3,996 54,977 17,999 2,790 34,319	1 1 1 0 0 0 8 1 0 3	Two Weeks. Two Weeks. Two Weeks. Two Weeks. None. Three Weeks.	54 66 72 12 60 $16\frac{1}{2}$ 72 39 10 72 6	66 51 12 60 33 45 48 30 72	75 76 77 78 79 80 81 82 83
529,472 34,207 17,005 9,776 5,947 3,735 15,048 7,646 61,972 14,873	358,076 8,446 6,661 3,892 3,467 158 569 237 46,038 4,624 10,992	409, 328 16, 719 10, 651 5, 624 3, 481 1, 109 3, 355 4, 213 4, 023 47, 968 8, 338 23, 681	110 1 1 1 0 1 0 0 0 0 3 2	Two Weeks. None. Three Weeks. None. Two Weeks. None. Two Weeks. None. Two Weeks. Two Weeks. Two Weeks. Two Weeks. Tone. Four Weeks. Tone. Two Weeks. Two Weeks.	76 48 48 42 30 10 22 43 15 75 75	42 48 48 42 30 10 22 43 30 42	84 85 86 87 88 89 90 91 92 93 94
53, 526 10, 545 46, 728 16, 658 50, 627 20, 942 20, 395	10, 992 5, 520 14, 109 6, 760 12, 126 7, 020 10, 636 	23,681 4,305 27,492 13,472 21,152 4,483 13,785 15,679 46,810	3 2 2 0 2 1 1 1 0	Two Weeks. Two Weeks. Two Weeks. Two Weeks.	70 20 72 48 60 42 33	42 30 48 48 60 42 33 60 42	95 96 97 98 99 100 101 102 103 104
74, 164 8, 399 107, 437 28, 969 6, 224 7, 236	18,503 6,298 496	31,383 12,045 974 3,313	5 1 1 0	Two Weeks. Two Weeks. One Month. Holidays. Two Weeks.	39 6 21 75 72 36 18 72 $351/2$	42 6 18 42 48 36 36 42 30	105 106 107 108 109 110 111 112 113
9,154 16,170 11,241	4,276 6,347 3,393	950 33,357 10,454 5,513 3,677 5,889 8,215 6,136	1 2 0 0 0 0 1 1 1	Holidays. Two Weeks. Hol.days. Three Weeks. Two Weeks. Holidays. Two Weeks. Holidays.	48 66 39 36 36 48 51 43½	42 42 39 30 30 48 45 43½	114 115 116 117 118 119 120 121 122
20,216 143,888 7,466 3,728 47,928	6,050 56,006 2,428 2,524 14,760	10,898 113,125 6,425 2,203 25,903	1 5 0 0 2	One Month Two Weeks. Three Weeks. Two Weeks.	51 75 46 14 69	48 45 46 28 48	123 124 125 126 127
6,671 4,426 29,438 16,846 32,137	3,581 204 7,736 13,182 11,823	4, 102 1, 573 15, 919 6, 654 13, 878	0 0 1 1 2	None. Two Weeks. Indefinite. Two Weeks.	28 11 72½ 66 72	33 24 72 66 48	128 129 130 131 132

CITY OR TOWN	Total Number of Borrowers	Rural Borrowers	Total Number Volumes	Volumes Added in Year	Periodicals Received	Total Circulation
CITY OR TOWN	2,096 1,563 1,050 1,080 1,694 394 361 1,722 839 913 1,148 264 2,368 416 4,441 3,668 4,169 4,441 3,668 4,169 4,441 1,696 2,761 1,696 2,761 1,696 2,936 1,696 2,936 1,696 2,936 1,696 2,936 1,696 2,936 1,696 2,936 1,696 2,936 1,696 2,936 1,696 2,936 1,696 2,936 1,696 2,936 1,696 2,936 1,696 2,936 1,696 2,936 1,696 2,936 1,696 2,936	1,853 11,853 115 470 562 160 196 845 293 222 447 166 1,712 560 308 320 170 980 404 426 507 527 676 641	4,317 4,884 1,713 1,501 1,968 3,160 3,303 2,847 1,617 5,463 1,565 17,862 1,579 7,179 7,617 1,846 5,627 2,218 14,941 3,356 11,800 50,066 2,421 3,377 1,895 5,627 2,218 14,941 3,377 1,895 1,270 8,141 3,193 4,333 2,221 1,5910 9,619 4,453 8,955 14,229 4,828 3,067 54,523 4,261 4,21 5,910 9,619 4,453 8,955 14,229 4,828 3,067 54,523 4,261 4,21 5,489 1,482 5,489 1,482 5,489 1,482 6,609 1,482 6,609 1,482 6,609 1,482 6,609 1,482 6,609 1,482 6,776 6,288 9,776 6,288	**************************************	Sipoual 39 48 17 14 16 20 11 22 26 33 25 35 111 19 50 46 14 38 24 52 23 71 110 67 17 24 15	18, 398 51, 290 11, 859 9, 330 3, 544 12, 122 7, 564 8, 452 12, 325 13, 535 9, 120 11, 809 11, 809 11, 806 120, 366 105, 114 120, 366 105, 114 120, 366 105, 114 120, 366 105, 114 120, 366 105, 114 120, 366 105, 114 13, 891 14, 691 15, 206 17, 313 17, 472 18, 192 18, 961 15, 706 15, 534 1961 15, 706 10, 010 33, 984 23, 978
187 Van Buren 188 Vevay 189 Vincennes 190 Wabash 191 Walkerton 192 Walton 193 Warren 194 Warsaw 195 Washington 196 Wakerloo 197 Waveland 198 Westfield 199 West Lafayette	4,658 3,777 4,963 3,267 510 1,016 1,066 4,003 3,423 1,172 869 1,229 3,830	2,626 319 421 606 360 409	1,518 6,557 14,668 8,881 3,569 2,345 8,025 12,126 2,539 3,187 3,386	558 1,232 708 676 101 750 544 525 124 432 340	17 54 114 50 30 12 81 52 36 32 23	49, 851 51, 569 39, 713 4, 814 13, 304 14, 540 35, 048 57, 894 7, 466 13, 911 10, 726

^{*}Report for less than a year.

LIBRARIES-Continued

Fiction Loaned	Non-Fiction Loaned	Juveniles Loaned	Number of Assistants	Vacations	Hours Open Per Week	Librarians Hours Per Week
13,405	4,993	7,998	1	Two Weeks.	42	42
26 785	14,505 664	22,631 5,058	2 0		93½ 30	48 30
5, 220	4,110	4,281	0	None	26	26
3,267	277 4,692	4,281 1,471 5,938	0	None	13 32	. 13
11, 195 5, 220 3, 267 7, 430 6, 968	596	3, 198	0	Two Weeks.	48	32 48
7,836	616	3,980	0.	None. None. None. Two Weeks. One Week.	42 36	42
9,732	3,903	4,760 5,241	0	None	42	42 42
7,770 10,757	1,350	3,609	1	Holidays	18 34	18
10,757	1,052	3,854	1 0	None. None. Holidays. Three Weeks. None. Two Weeks.	3	34 .3
31,690	11,595 185	15,017 694	1	Two Weeks	72 40	48
1,320 29,689	9,228	16,652	$\begin{array}{c c} 0 \\ 2 \end{array}$	None Two Weeks	63	40 42
28,257	15,851	16,652 15,806	1	Two Weeks	60	$\frac{36}{2}$
17,349	11,612	17, 156	0	Two Weeks. None. Two Weeks. None. Two Weeks. Two Weeks.	$\frac{2}{38\frac{1}{2}}$	$\frac{2}{381/2}$
17,349 4,258 28,214	313 15,522	17, 156 1, 833 20, 976	0	None	76	
6.274	2,640	4,480	2 0	Two Weeks.	42	$\frac{42}{42}$
16,040	6,326	12 046	1	Holidays	60	60
70,411 8,904	34,703 142	2,679	4 0	None	75 18	$\frac{42}{36}$
13,714	4,567	7,877	1	Holidays	32 42	42
8,904 13,714 10,463 4,144	$2,622 \\ 807$	37, 200 2, 679 7, 877 4, 517 1, 768	0	Two Weeks. Holidays. Two Weeks. None. Holidays. Holidays. Indefinite.	28	42 28
28,280	12,707	1, 188 14, 958	0	The second	. 12	12
12,738	2,468	6 638	2 0	Two Weeks. Two Weeks. Holidays. Two Weeks. Two Weeks. Two Weeks.	57 32	48 32
13 412	18,587 1,615	11,348	0	Two Weeks	45 42	$\begin{array}{c} \textbf{45} \\ \textbf{42} \end{array}$
6,893 27,994 10,063	5,877 14,641	11,348 3,386 17,178 8,191	2 0	Two Weeks.	49	49
10,063	14,641	8, 191 4, 375	0	Two Weeks	66 35	39 33
$7,702 \\ 34,407$	2,073 20,759	26,675	1	Two Weeks.	63	48
33,460 15,475	13,119 2,647	20,456 5,188	$\frac{2}{1}$	Three Weeks	72 40	42 40
7,228	1,765	3,090	. 0	Two Weeks. None. Two Weeks. Three Weeks. Two Weeks. Holidays. Two Weeks. One Week.	-38	
7,228 133,825 11,910	1,765 421,735 5,403	3,090 329,547 7,654	14	Two Weeks	72 26	48 26
13,983	3,489	7,853	1	Two Weeks	33	48
15,976	12,490	634 $14,342$	0	None	20 42	18
		1.780	0	None	27	42 27
3,986 11,021	975 4,685	2,506 8,476	0	None	36 33	36
			11	Two Weeks. None. None. None. Two Weeks. Three Weeks. One Week.	72	42
7,526	2,484	3,186 14,303	0	Indefinite	41 31	42 31
19,355	4,623	8,623		Two Weeks	48	48
20,403	10,579	12,867	$\begin{bmatrix} & 1 \\ 2 \\ 0 \end{bmatrix}$	None.	51 33	42 33
15,747	34, 104	8,431	1	None Two Weeks Two Weeks	30	30
15,747 40,325 29,689	34,104 11,244 10,024	8,431 21,085 18,845	$\begin{array}{c c} 1\\2\\1\end{array}$	Two Weeks	76 72	48 48
		1 400	0	None	15	15
8,014 $12,842$	5,290 1,692	3,242 6,602	0	HolidaysOne Month	48 ·13	48 30
24, 121 37, 868	10,827 20,026	14,289 28,542 2,043	1	Two Weeks.	66	45
4,412	3,054	28,542 $2,043$	1 0	None.	66 30	45 30
4,412 8,239	5,672	3,964	Ö	Holidays. One Month. Two Weeks. Two Weeks. None. Holidays.	33	33
8,323	2,403	4,369	1	Holidays	32	45

TAX-SUPPORTED PUBLIC

CITY OR TOWN	Total Number	Rural	Total Number	Volumes Added	Periodicals	Total
	of Borrowers	Borrowers	Volumes	in Year	Received	Circulation
200 West Lebanon.	576 394 3,696 928 1,667 3,361 1,053 400	300	2,670 3,321 17,339 2,283 5,070 7,180 4,296 20	234, 327 1,035 138 210 202 234 199	34 24 84 22 33 26	9,792 7,219 47,544 4,081 11,098 30,010 13,980 4,532

^{*}Report for less than a year.

†Not yet open.

ASSOCIATION

Libraries in the following towns are not tax-supported. In most cases they are conducted under the auspices is required from townspeople

	TOWN	Association	Librarian	Population
208 209 210 211 212	Andrews	Library Association Woman's Club. Dugger's Community Library. Library Association. W. C. T. U.	Mrs. Olive Glaze	1,071 659 1,679 313 1,275 (Incl.
213 214 215 216 217	Idaville LaCrosse Lyons Middlebury Milford Decatur Co., (Clifty P. O.)	Economic Club. LaCrosse Community Library. Lyons Association Library Library Association M. E. Church	Mrs. Dott Read. Frank J. Cook. J. K. McCarter. N. W. Pinkerton. Rev. R. S. Hendricks.	894 600
218 219 220 221	Morocco. New London. Summitville. Wanatah.	Morocco Woman's Club. Junta Library Association. Library Association. Country Home Improvement Club	Mrs. Tennis Deardurff Jas. Weaver, Treas Mrs. Louis Newberger	1,664 100 1,001

LIBRARIES-Continued

Fiction Loaned	Non-Fiction Loaned	Juveniles Loaned	Number of Assistants	Vacations	Hours Open Per Week	Librarians Hours Per Week	
8,095 5,439 31,284 3,993 7,208 28,384 11,626	1,698 1,780 16,260 88 3,890 1,626 2,254	3,316 2,446 21,956 1,367 3,214 11,959 6,912 1,391	1 1 2 0 0 0 0	None. Holidays. Two Weeks. None. Two Weeks. Two Weeks. Holidays. None.	36 22 63½ 21 33 36 25½	36 30 41 21 33 30 31½	200 201 202 203 204 205 206 207

LIBRARIES

of a club or association, but are open to the public. Sometimes loans are free to all and sometimes a small fee not belonging to the association.

Date Organized	Terms of Lending	Income	Volumes	Added in Year	Circulation	
1906	Free to school children:	,				2
1920	Free		77		694	2
1921 1920	Free.					2 2
1907	Free	400		.,	- / -	2
1920 1921	Free Free					2 2
1912 1917	Free					2 2
1920	Free			,		2
1913 1872	Free					2 2
1921 1921	Free					2 2
			3,068			

LIBRARIES IN INDIANA MUNICIPALITIES ARRANGED BY POPULATION

Population Based on 1920 United States Census

	Hours Open Per Week	75 72 72 72 72 72	66 75 72 75	72 72 72 69		63 72 72 72 72 63 63	72 693% 75 75 75
	Salaries of Library Staff	\$127,385 25,525 36,398 22,455 26,513	18, 019 7, 668 6, 758 3, 513	5,775 4,165 6,911 4,549 2,100	3, 463 6, 261 2, 729 3, 149	1,766 1,460 4,140 2,271 1,657	2,600 1,881 6,911 3,382 2,879
	Book and Magazine Expenditure	\$28,987 10,830 13,107 7,043 5,772	6,153 5,282 3,084 2,319	2,439 1,398 3,368 2,618 664	1,599 3,963 983 2,666	1,042 1,210 1,316 1,418 1,311	2,442 1,466 3,368 1,004 1,053
	Total Income	\$255,484 51,189 48,864 56,071 22,071	46, 761 18, 809 28, 316 11, 843	12,440 11,523 17,726 12,982 6,063	16,379 18,046 6,771 5,397	13,739 3,302 7,492 9,668 4,857	7,766 5,972 6,611 16,187 9,262
	Income from Town	\$171,705 44,937 45,750 45,309 20,662	31,830 13,323 17,813 8,828	10,086 13,860 11,773 4,482	9,547 9,686 4,112 6,424 2,342	4, 274 3,005 7,305 4,967 4,024	5,886 2,307 3,926 11,328 4,297
	Town Tax Rate.	0.00.00.00.00.00.00.00.00.00.00.00.00.0	05 05 038 038	.10 .045 .035 .028	003 88	26.00.00.00.00.00.00.00.00.00.00.00.00.00	000000000000000000000000000000000000000
	Circulation	887, 548 291, 524 509, 918 555, 560 395, 433	418, 155 199, 894 105, 131	74, 295 105, 114 143, 779 125, 940 61, 688	64,518 101,106 52,000 51,569 69,551	60,837 37,174 59,384 43,285 50,742	73,537 118,643 48,443 47,544 26,379
,	Total Number of Volumes	244, 293 91, 265 69, 143 54, 523 69, 205	79, 183 39, 983 26, 750 23, 000 4	17,463 50,066 30,406 37,292 23,325	29, 098 27, 320 15, 000 4 14, 668 9, 783	25, 126 5, 800 35, 964 17, 862 8, 934	16,308 12,942 14,000 17,339 16,936
	Number of Borrowers	66, 781 27, 116 37, 455 16, 334 9, 576	24, 571 15, 579 5, 574 10, 746	9,989 15,539 9,838 8,385 7,527	4,866 3,068 4,963 3,524	5,000 4,231 4,122 2,368 7,084	6,069 7,336 5,468 3,696 3,970
	Township or County Support	None County County None None	Townships, 4 Township. None None None	Township Township Townships, 2 None None	None County. Township None None	None None None Township Townships, 2	Township Township Township None Township
	Population of City or Town	314, 194 86, 549 85, 264 70, 983 66, 083	55,378 36,524 36,004 35,967 30,067	29, 767 26, 765 24, 772 23, 747 22, 922	22,480 21,626 19,457 17,210 15,195	15,158 14,458 14,000 12,410 11,595	11,585 10,962 10,790 10,145 10,139
	CITY OR TOWN	Indianapolis Fort Wayne. Evansville. South Bend. Terre Haute.	Gary Muncie Hammond East Chicago ' Kokomo	Anderson Richmond Elkhart Marion New Albany	Lafayette. Logansport Michigan City *. Vincennes. Mishawaka	Laporte New Castle Huntington Peru	Frankfort. Clinton. Elwood. Whiting.
		120470	6 8 9 10	122245	16 17 18 19 20	22 23 23 23 23 23 23 23 23 23 23 23 23 2	30 30 30 30 30 30

\$2228	52 63 63 63 63	36 39 39 89	387 48 49 66 66 66	842125 27 27	. 572 . 60 31	242 242 248 248 248	3336	57
1,364 1,427 1,470 3,454 3,077	1,330 1,190 1,760 1,260 1,705	2,131 240 1,940 1,800 1,175	805 900 1,346 1,875 1,673	1, 420 1, 500 1, 816 2, 238 1, 597	1, 102 2, 327 1, 250 1, 883	961 1,360 2,009 925 1,054	1,389 610 607	1,760
644 612 1, 203 901 859	593 762 1,460 886 1,342	554 841 635	1,009 428 789 1,002 620	942 917 533 979 630	483 459 1,703 765	1, 218 802 583 583 599	628 323 537	107 615
3, 264 3, 140 3, 627 10, 721 6, 917	3,794 5,787 7,549 4,638 4,453	5, 253 500 3, 962 6, 983 3, 181	5, 156 2, 475 4, 515 3, 971	7,468 3,867 5,320 5,615 3,695	2,057 3,827 7,693 4,721 3,815	2,597 4,916 5,344 2,020 3,026	3,715 1,573 3,088	5,574 3,938
1, 631 2, 513 3, 355 6, 032 4, 102	2, 934 665 2, 060 2, 060 2, 085	1,382 2,748 1,553 2,468	3,781 2,429 3,090 2,529	4, 206 3, 762 3, 307 2, 616 1, 650	1, 467 1, 593 1, 263 3, 164 1, 876	1,499 2,222 844 372 1,500	1,444 1,202 1,793	1,635
000000000000000000000000000000000000000	. 045 . 045 . 053 . 05	.025 .05 .02 .04	.065 .065 .02 .03	000000000000000000000000000000000000000	025 0055 04 05	. 05 . 10 . 045 . 06	4,95	0.05
42, 653 30, 086 39, 713 46, 579 85, 843	26, 538 32, 485 50, 242 57, 894 55, 166	43, 736 16, 155 30, 982 62, 753 40, 610	28, 961 34, 033 33, 871 35, 048 42, 005	23, 666 32, 597 26, 266 42, 359 35, 367	20, 408 24, 680 44, 060 26, 354 33, 084	28, 476 37, 954 44, 108 24, 833 28, 921	25,595 15,706 30,010	19,509 40,987
10,873 8,499 8,881 14,229 14,517	15,353 11,440 16,141 12,136 8,955	14, 941 8, 850 9, 278 15, 480 13, 254	4,601 5,910 8,025 11,905	6, 734 8, 890 9, 013 8, 829 9, 039	4,505 10,390 6,705 9,776	5,489 7,524 7,617 6,514 5,649	9,902 3,464 7,180	12, 452 8, 141
5,223 3,286 3,267 4,947	1,779 2,405 929 3,423 3,737	3,668 4,624 6,286 3,212	3,215 4,003 2,826	6,734 347 2,745 2,745 2,860	2,006 415 3,171 2,382 1,969	1,981 2,831 8,026 2,084 1,733	3,414 725 3,361	2,761
Township Township None Township Township	Township Township None Township Township	Township County Township Township Township	Township. None. None. Township. None.	None. None. Township. Townships, 3	Township Township County, 4 Twps. Township Township.	Township. Townships. Townships, 3. Township. Township.	Township None	Township County, 5 Twps
10,098 9,901 9,701 9,525	9,293 9,076 8,990 7,348	7,132 6,711 6,518 6,257 6,183	5,958 5,4845 5,498 5,478	5,345 5,345 4,909 4,909	4,796 4,758 4,650 4,507	4,489 4,451 4,338 4,299 4,172	4, 168 4, 086 4, 021	3,780
Jeffersonville Connersville Wabash Shelbyville Goshen	Brazil Bedford Columbus Washington Seymour	Princeton Madison Valparaiso Lebanon Hartford City	Portland Linton Rushville Warsaw Bluffton	Kendallville Greensburg. Mt. Vernon. Franklin. Martinsville.	Garrett Decatur Noblesville Auburn Tipton	Sullivan Boonville. Plymouth. Aurora.	Greenfield	Greencastle
333333	38 38 39 40	44844	50 44 50 50 50	55 54 55 55	56 58 59 60	622 632 652	667	980

4 Report could not be obtained from East Chicago, or Michigan City; volumes estimated.

LIBRARIES IN INDIANA MUNICIPALITIES ARRANGED BY POPULATION—Continued

Population Based on 1920 United States Census

	Hours Open Per Week	69 84 84 84 84 84 84 84 84 84 84 84 84 84	931/2 39 60 60 66	45 30 32 48	21 21 30 30	33 33 10	437.2 437.2 43 43 43 43 43 43 43 43 43 43 43 43 43 4
	Salaries of Library Staff	\$1,739 1,320 481 786 1,045	2,841 561 1,200 1,276 954	702 501 458 600 940	365 1, 180 555 680	833 881 825 132	114 600 1,492 498 620
	Book and Magazine Expenditure	\$1,297 784 376 385 605	614 275 832 425 686	580 988 399 593 545	568 614 1,127 534	515 451 502 61	86 1,061 586 241
	Total	\$5,475 3,827 1,971 2,083 3,284	8,144 1,794 3,697 2,421 3,371	3,522 2,797 1,986 1,997 2,781	1,380 3,155 1,902 2,494	3,519 2,675 3,678 248	2,478 2,311
	Income	\$1,759 753 1,403 1,249 1,595	806 1,071 877 1,559	2,454 7,051 4,166 913 2,755	853 1,001 703	2,612 1,384 2,856 233	249 . 600 1,023 933 1,182
4	Town Tax Rate	4.68.6.6.	.08 .05 .10 .10	96.99.99	.07	000	30.0.0.0.1. 20.0.0.1.
	Circulation	25, 066 22, 319 23, 978 15, 626 20, 535	51, 290 20, 554 20, 366 21, 687 24, 704	18, 398 9, 894 20, 069 15, 206 13, 430	16, 494 23, 517 11, 859 19, 900	17,653 17,472 31,031 9,434	5,429 31,909 57,099 14,089 15,617
	Total Number of Volumes	11,453 6,352 6,288 6,997 6,472	4, 884 3, 220 11, 800 3, 373 9, 619	4, 317 1, 680 4, 920 3, 193 5, 241	2,733 2,017 1,713 4,190	6, 748 4, 919 6, 245	763 4,333 8,257 4,159 5,634
	Number of Borrowers	3, 077 1, 362 1, 988 2, 712 1, 859	1,563 1,842 1,800 1,195 1,058	2,096 1,013 3,528 1,696 2,504	1, 295 1, 670 1, 050 1, 949	3,151 1,541 293	23, 726 1, 168 1, 295
	Township or County Support	Townships, 4. Townships, 2. None Township.	County . Township Township Township Township	Township. Townships, 3 Township. Township. Township.	None. Township Township Townships, 2	Township, inadequate Townships, 3 Township. None.	Township Township Townships, 2 Township None
	Population of City or Town	3, 499 3, 464 3, 406 3, 392 3, 232	3,025 3,025 2,912 2,870 2,836	2,711 2,678 2,650 2,581 2,581	2,532 2,237 2,297 2,297 2,270	2,155 2,066 2,066 2,037 008	1,980 1,968 1,963 1,945 1,945
	CITY OR TOWN	71 Columbia City. 72 Lawreneeburg. 73 Union City. 74 Attica. 75 Crown Point.	76 North Vernon. 77 Mitchell. 78 Rensselaer. 79 Gas City. 80 Salem.	81 North Manchester 82 Nappanee 83 Angola 84 Rockport 85 Monticello.	86 Dunkirk 87 †Edinburg 88 Montpelier 89 Oakland City 90 Brookville	91 *Fairmount 92 Delphi 93 Spencer 94 Ligonier 95 Cannelton	96 French Lick 97 Rockville. 98 Cambridge City. 99 Covington.
		1					

60 30 351/2 431/2	944888 94888	35 115 118 113	48 32 32 32 32	63 88 88 88 88 88	42 34 16 ¹ / ₂ 36 42 ¹ / ₂	36	112 333 866 48 48	
787 657 617 487 528	740 740 780 720	570 145 170 352 375	1,590 600 540 898 300	1,440 609 360 558 1,378	660 851 240 502 882	780 1,188 480 253	148 600 1,750 334	
246 168 281 357 203	505 149 700 406 341	84 132 42 239 561	686 705 283 382 378	786 481 495 642 1,374	495 504 350 1,082 423	490 1, 156 245 243	204 736 685 260 65	
2,700 3,990 1,307 1,484 3,281	3,442 1,572 3,063 2,174 2,806	3,480 1,622 460 1,100 2,281	4,809 2,043 2,891 1,082 1,280	3,535 2,205 2,361 4,139	2,755 2,929 2,953 2,953	3,375 3,496 1,246 1,695	2,122 7,000 7,000 1,121	
1,288 1,311 1,811 763 688 634	643 727 1,252 1,042 1,160	996 306 503 620	488 650 708 624 574	727 527 1,166 116 391	862 · 599 444 513	297 488 488	228 96 647 457	
38.6.6.6	. 05 . 04 . 05 . 05 . 05 . 05	0.00000	. 06 . 06 . 05 . 06		.05 .05 .045 .07	.05	.04 .02 Endowment .06	two cents.
11,580 11,743 13,923 15,923 14,634	18,122 10,461 20,955 11,098 16,065	9,775 7,883 12,240 9,120 14,540	15,676 10,385 10,010 17,281 12,122	38,917 13,368 11,745 9,252 27,962	13,668 11,809 12,609 12,325 14,497	11,762 49,851 7,466 4,961	6,556 27,140 30,028 7,243 7,564	Township inadequate signifies a tax rate of less than two cents.
2, 632 4, 291 2, 296 3, 416 3, 622	4,828 5,260 8,038 5,070 3,571	4,453 1,255 1,732 1,617 2,345	5,502 2,495 6,093 3,241 1,968	7,179 5,053 2,353 2,951 5,026	3,780 5,463 3,139 3,303 2,759	1,503 6,667 2,539 2,564	1,148 5,055 23,204 2,707 3,160	signifies a tax
1,097 1,507 1,053 1,188 1,526	2,198 1,082 2,176 1,667 1,213	1,576 1,300 1,915 1,066	2,143 1,048 1,043 1,446 769	3,169 1,325 1,159 616 2,727	903 1,148 907 1,265	3,777 1,172 1,172	1,588 1728 553 394	hip inadequate
ip.	Township. Twps. 4, inadequate. Township. Township. Townships.	County Township None Township Township	County, 7 Twps. Township Township County Township	Townships, 2 Township. Township. Township.	*Twp., inadequate Township. Township. *Twp., inadequate Township.	Townships, 2. Township. County. Township.	Twp., inadequate Townships, 3. None. None. Township.	
Township Township Township Township.	Township Township Township Township Township	CountyTownshipNoneTownshipTownshipTownship	County, Townsh Townsh County Townsh	Townships, 2 Township Township Township County	Twp., i Townsh Townsh Twp., i Townsh	Townships, 2. Township County Township Township	3Twp., inadeq Townships, 3 None. None. Township.	†Not yet open.
1,907 1,872 1,853 1,785 1,781	1,761 1,745 1,729 1,684 1,610	1,609 1,577 1,554 1,520 1,520	1,442 1,441 1,432 1,411 1,408	1,303 1,357 1,339 1,295 1,292	1,283 1,244 1,238 1,239 1,213	1, 197 1, 189 1, 175 1, 172 1, 172	1,163 1,142 1,120 1,120 1,093	†Not
Greenwood Bloomfield Worthington Corydon Mooresville	Sheridan Butler Danville Winamac Lagrange	Scottsburg. Knox Brownstown. Paoli	Fowler. Flora. Thorntown. Rising Sun. Orleans.	Monon. Fort Branch. Newburg.	Kentland Pendleton. Hagerstown. Owensville.	Lowell North Judson Vevay Waterloo Syracuse	Greentown Albion. New Harmony. Goodland.	Report for less than year.
102891	109891	111221111111111111111111111111111111111	1118	121 122 123 124 125	126 128 139 130	132 ± 132 ± 135 ± 135 ×	136 137 138 139 140	

Me for less than year. Thou yer open. . Lownship inadequate signifies a tax rate of less than two cents.

LIBRARIES IN INDIANA MUNICIPALITIES ARRANGED BY POPULATION—Continued

Population Based on 1920 United States Census

Hours Open Per Week	21 26 40 42 42 42	42 38 38 15 40	23 26 33 37	30.8	16 34	42 6 30 42	33 45 45 45
Salaries of Library Staff	\$356 430 6825 680	480 196 582 582 450.	651 233 852 852 610	510	197	496 100 540 470	300 295 920 419 614
Book and Magazine Expenditure	\$67 194 400 430 450	127 291 171 190	711 406 447 178 94	391 302	209	255 209 209 255 255 255 255 255	602 275 308 31 308
Total Income	\$1,508 1,987 1,950 2,397 1,496	2,077 607 1,168 675 1,402	1,767 888 2,170 1,754 412	1,662 2,208	1,758	2,720 106 574 1,999 2,599	2,950 4,249 1,171 791 2,612
Income	\$306 1,719 400 405	244 467 321 450 1,016	1,090 266 653 304	840 554	214 200	1,012 239 529 2,020	1,527 1,527 305 152 1,371
Town Tax Rate	0.00.00.00.00.00.00.00.00.00.00.00.00.0	.00 .00 .00 .00 .00	0.000 8 rc rc s	.05	0.02	.05 .06 .10 .06	002 002 002 003
Circulation	4,081 17,313 15,028 14,373	8,914 9,046 8,993 4,814 1,505	19, 497 9, 330 13, 490 11, 450 4, 532	13,535	10, 181	8,508 4,800 4,571 7,021 13,085	8,895 7,727 5,484 10,506
Total Number of Volumes	2,283 4,287 2,287 3,240 3,045	3,356 2,421 3,067 1,379	2, 783 1,501 3, 175 3, 026 2, 020	2,847	2,338	2, 221 606 2, 218 2, 307 3, 377	1,518 1,366 3,394 2,595 2,096
Number of Borrowers	928 1,281 1,261 1,050	903 600 1,117 510 542	1,045 1,080 1,644 1,329 400	839 874	679 935	936 232 560 790	658 620 630 841 980
Township or County Support	Township Township Townships, 2 Townships, 2 Townships	Township None. Townships, 2 None. Township	Townships, 2. Township. Townships 2. Township. Township.	Township	Twp., inadequate	Township. *Iwp., inadequate *Twp., inadequate Township Township.	Township. Townships, 2 Township. Township.
Population of City or Town	1,088 1,080 1,074 1,063 1,049	1,044 1,042 1,034 1,031 1,018	1,010 985 975 975 973	950	916	900 898 881 880 880 876	861 832 823 823 820 820
CITY OR TOWN	41 Williamsport 142 Culver 43 South Whitley 144 Brownsburg.	146 Remington. 147 Ridgeville. 148 Shoals. 149 Walkerton.	 151 Ladoga 152 Odon 153 Brook 154 Carlisle 155 Zionsville 	156 Oxford		61 Royal Center 62 *Lynn. 163 Poseyville. 164 Boswell. 165 Roachdale.	166 Van Buren. 167 Hebron. 168 Darlington. 169 Charlestown.

351/2		8422302	36 277 3	36 4 111 37 33	10 32 32 39	222888 202288	6 114 36	42	:
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483 82	720	50 300 435 390 786	322 370 36	440 7.9 300 493 641	240 423 720 1,020	480 450 325 550 260	145 104 180 180 415	130	\$477,636
564	128 311	122 363 239 385	284 92 197 87	266 75 204 255 339	192 457 140 286	480 236 210 349 193	153 165 162	480	\$195,828
1,866	1,809	446 972 1,558 1,015 3,113	2,360 602 1,094	1,858 374 1,986 2,107 1,750	962 2,272 1,823 2,205	1,379 1,987 1,966 1,235 241	746 384 905 1,384	1,344	.\$1,172,946
1,409	3,824	265 194 632 632 923	171 234 34	1,006 158 92 133 310	157 121 245 510	273 286 214 62	182		
.05	.01	00.00.00.00.00.00.00.00.00.00.00.00.00.	.02 .001 .005 .005	0.005	.03 04 03 .03	000000000000000000000000000000000000000	0.03		
7,780	13,304 8,452	3,065 9,414 9,097 5,238 23,384	6,983 1,890 - 5,534 11,242 550	9,792 5,696 4,630 12,039 13,911	3,893 10,726 10,641 11,905	15,010 6,720 4,951 7,219 1,441	6,252 3,544 8,108	4,747	8,028,120
3,424	3,659	1,846 3,094 2,697 1,597 4,362	2, 265 2, 162 1, 418 1, 793 1, 565	2, 670 3, 545 2, 131 4, 041 3, 187	1,330 3,286 1,654 2,903	3,586 1,859 1,895 3,321 772	1,508 2,294 2,723 2,437	966	2,016,409
850	1,016	416 718 1,045 315 1,246	973 573 403 569 	1,597 869	1, 229 847 736	879 885 367 367 394 266	432 504 1,694 581		582, 591
Townships 2	Township. Townships, 2.	None Township Township Township Township	Townships, 2. sTwp., inadequate Township sTwp., inadequate sTwp., inadequate	Township. None. sTwp., inadequate Townships, 2. Township.	sTwp., inadequatesTwp., inadequatesTwp., inadequateTownship.	Township Township Township Township Township	Township County Township Township Township	³ Twp., inadequate	
811	713	699 695 695 689 689	678 669 650 648 648	637 630 609 598 598	578 578 555 555 542	522 503 414 408 357	333 322 322 304 145		2,006,266
*	Walton	Porter. Kewanna. Kirkin. Grandview. Atlanta.	Mentone Milroy Swayzee Francesville Pennville	West Lebanon Dublin New Carlisle Carmel Waveland	Kingman Westfield Colfax †Linden Earl Park	Coatesville. Merom. Roann. Westville.	KKOKK	(Milroy R. F. D.) Avon(DanvilleR.F.D.)	Total
171	174	176 177 178 179 180	181 182 183 184 185	186 188 189 190	191 192 194 194 195	196 197 198 200	202 203 204 205	206	

* Report for less than year.

* Report for less than year.

* Exclusive of East Chicago and Michigan City.

* Exclusive of Last Chicago and Michigan City.

* Exclusive of Last Chicago and Michigan City.

* Includes Willard Library, Evansyile, and Marion County Library.

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LIBRARIES
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. Librarian	Lois M. Ringo Mrs. Winifred Waugh William A. Alexander Oneta Illingworth Helen Rhodes	Alma Davys Alma Davys Harry S. Wedding Lawrence Yates. C. A. Hargrave Gertrude Weil Johanna Klingholz Bernice Johns.	Louise Brucker. Sister M. Augusta.	Edith White. Florence A. Klinkenberg William Druckemiller.	Jarter k k len garet Bussell Rathbun Campbell	Florence Wellord M. D. Baumgartner	Mrs. Charlotte F. Zink Smildred Tabor	Charles E. Edwards
Total noitsluori		4,035	300	20, 332	190			
Periodicala beviesed	450	25	15	30	16		19	359
Volumes Added	6,529	1,256	7.5	784	146 625 328 244	13		365
retorn I storn seminary seminary to	2,749	57,807 3,500 6,759	4,345	4,283	2, 231 22, 928 22, 928 1, 124 1, 519	3,679	5,000	70,000
Book Expenditures		662			88			
Total	\$45,208				1,656			31,016
Source of Band Building	Legislature	Simon Yandes.			Gifts Carnegie Mrs. Hendricks	E.C. Thompson and wife		
to teoO Buibling	School \$100,000 School School	School. 30,000 School School College	50,000	County	School 28,500 College 55,000 School 25,000	School. 45,000	CollegeSchool.	State House School State House
Reference or Circulating	Both Both Both	Both Ref. Both Both Both	Ref. Ref.	Ref. Circ. Both	Ref. Ref. Ref. Both Both Ref.	Both Both Both	Ref. Circ. Both	Ref. Ref. Both
Date Organized	1918 1884 1820	1832 1890 1876 1869 1919	1902 1891 1900	1900 1837 1917 1907	1914 1872 1894 1840 1900 1917 1837 1884	- :	1905 1907 1907	1867 1894 1847 1825
Institution	High School Tri-State College Indiana University High School High School	High School Wabash College Malitary Academy Central Normal College Central High School Evanaville College Fy answille College	brary rn Hospital for alate Concepti	Allen County Law Library Association Concordia College High School Indiana School for Feeble	Minded Youth High School Franklin College. Goshen De Pauw University High School Hanover College. Hanover College.	High School Hurtington College Butler College Central Indiana Hospital for	the Insane Indiana Central College Indiana Girls' School Indiana Legislative Reference	Department Indiana Law Library Indiana Law School Library. Indiana School for Blind Indiana State Library
CITY OR TOWN	2 Angola. 3 Bloomington. 3 Bloomington. 4 Bremen.	4a Columbus 5. Crawfordsville 6. Culver 7. Danville 8. Evansville 9. Evansville 9. Evansville		13 Fort Wayne 14 Fort Wayne 15 Fort Wayne 16 Fort Wayne	17 Frankfort 18 Franklin 19 Gosles 20 Greensatle 21 Greensburg 22 Hammond 24 Hanover 24 Howe	25 Huntington. 26 Huntington. 27 Indianapolis 28 Indianapolis	29 Indianapolis 30 Indianapolis 31 Indianapolis 31 Indianapolis 31 Indianapolis 32 Indianapolis 33 Indianapolis 33 Indianapolis 33 Indianapolis 34 Indianapolis 35 Indianapoli	32 Indianapolis 33 Indianapolis 34 Indianapolis 35 Indianapolis

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Mrs. Blanche Barnes.	Mrs. P. L. Wolfe. Anna Bensten. Anna E. Turell. Mary Venn. Mrs. Noll R. Sharp. Edith M. Fountain. Levi H. Soott. Myrtle Kitts.	William M. Hepburn. Ruth Campbell. Helen Tukey G. Tremaine MeDowell Aaron W. Wood. Myrtle B. Sloan June M. Jones Barcus Trichenor.	Olive Miller Rev. Paul J. Foik Sister M. Edith. Mrs. Dove Lockhart. Sister Mary John	R. S. McCullough Harlow Lindley Florence Ratliff Alma H Downey Sister M. Providenta Rev. Paul Thoma Mildred E. Blakely Sylvia Oakley Arthur Cumingham Albert A. Faurot Mrs. May C. Dodson Adeline E. Stanley Helen Kull
	6 6 6 73 4.141 3.88 4.141 68 113,612	12 1,000 12 7,320 15 7,320	72 627 71 26 25	10 20 20 175 70 15,967 50 15,967 17
	22	78	2,876 1,997 100 100 50	3,021 1,200 1,264 1,264 3 976 181 244 200
	1, 626 6, 019 8, 390 3, 023 9, 599	2,841 1,999 4,290 7,000	8, 176 112, 247 14, 763 5, 509 5, 140	8,775 26,000 3,339 1,888 20,447 25,000 1,381 16,075 7,000 7,000 7,000 1,
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Indiana School for Deaf	Medicine Indiana Woman's Prison. Indianapolis Bar Association Indianapolis Wormal College. Jewish Communal Library John Herron Art Association Manual Training High School St. Agnes Academy Shortridge High School Shortridge High School Techers College. Techers College. Techers High School Trador Hall Indiana Reformatory Indiana Reformatory Indiana Soldiers and Sailors'	Urphans Home Urphans Home Purdue University High School Northern Hospital for Insane High School Marion College Indiana State Prison High School Indiana State Prison Indiana Vallage for Epileptics Southeastern Hospital for the	Insanchester College Notre Dame University St. Mary's College Oakland City College Immaculate Conception	Academy Academy Academy Academy Lindiana Boy's School Earlem College Earlem High School High School St. Meirac's Abbey St. Meirac's Abbey High School Iraylor University Valparaise University Vincennes University
Indianapolis	Indianapolis	Lafayette Lafayette Lafayette Lebanon Lebanon Marion Marion Marion Marion Mundiswaka Mundiswaka Nundiswaka Nundiswaka Mundiswaka Mundiswaka Now Castle Now Castle	North Manchester. Notre Dame Notre Dame. Oakland City.	Plainfield Richmond Richmond Richmond Richmond Rishing Sun St. Mary St. Mary St. Meirrad South Bend South Bend Terre Haute Terre Haute Terre Haute Upland Valparaiso
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REPORT OF CLERK OF SUPREME AND APPELLATE COURTS

OFFICE FORCE

PATRICK J. LYNCH, Clerk.
OWEN S. BOLING, Deputy.
J. D. LATHAM, Assistant Deputy.
HOMER A. KIMBERLIN, Record Clerk.
CORA B. MULL, Stenographer.
LUCILLE D. GOODE, Copy Clerk.

OUR COURT RECORDS

Since the establishment of the Supreme and Appellate Courts over 36,000 cases have been appealed and decided. With the final disposition of the case the transcript and papers are placed in permanent files where they must be accessible for the use of the judges of our courts and lawyers who make frequent use of them in interpreting and applying the law.

To assist the clerk in properly caring for these files the legislature from time to time has made specific appropriations. By an act in force March 3, 1893, \$3,500 was appropriated for the purpose of indexing and arranging the records then on file. By an act approved February 13, 1899, rooms 9 and 11 in the basement of the State House were set aside for filing purposes. Five thousand five hundred dollars was appropriated for the purpose of fitting up such rooms in the clerk's office with filing cases but the completion of the fireproof stairway in addition to the needed equipment in the clerk's office proper, exhausted the appropriation, leaving rooms 9 and 11 unequipped.

Since that time over 15,000 cases, almost half the entire total number, have been disposed of.

Under an act passed in 1913, a reassignment of the rooms in the State House was made following the remodeling of the basement and another room was set aside for this purpose not connected with the office proper. This room remains unfitted with the proper filing cases and as the form and size of the transcripts are entirely different from earlier transcripts it is apparent that the time is not far distant when a uniform filing system should be adopted for the proper care of these cases and to insure their safety and easy accessibility.

The judges of the two courts as now organized are as follows:

SUPREME COURT

Hon. Louis B. Ewbank, Indianapolis, Chief Justice.

ASSOCIATE JUDGES

Hon. David A. Myers, Greensburg.

Hon. Julius C. Travis, Laporte.

Hon. Benjamin M. Willoughby, Vincennes.

Hon. Howard L. Townsend, Fort Wayne.

APPELLATE COURT

Hon. Ethan A. Dausman, Goshen, Chief Judge.

ASSOCIATE JUSTICES

Hon. Ira C. Batman, Bloomington.

Hon. Alonzo L. Nichols, Winchester.

Hon. Willis C. McMahan, Crown Point.

Hon. Charles F. Remy, Indianapolis.

Hon. Solon A. Enloe, Danville.

The clerk's office occupies rooms 216 and 217 in the State House.

REPORT OF STATE LIVE STOCK SANITARY BOARD

A. D. KING, President.
DR. J. H. MILLS, Vice-President.
DR. E. J. TANSEY.
JOHN W. VAN NATTA.
R. C. JENKINS.
R. C. JULIEN, Secretary.

The State Live Stock Sanitary Board was reorganized in the month of June, 1921, and began operation about July 1st. We have been unable to find any definite data or records in the office upon which to make an intelligent report of the first nine months of the fiscal year 1921. Therefore, this report, other than the financial part of it, will cover the last three months of the year.

The plan of having the state divided into districts with a deputy employed on a per diem basis for each district, was discontinued, and under the present plan all requests for aid and assistance must first come to the state office, and if it is found necessary to render assistance any graduate licensed veterinarian may be commissioned to make an investigation and render a report to the department on special forms. The board believes, and the records will prove, this to be more economical and efficient than the former plan, and it has also created a more friendly feeling and a better spirit of co-operation among the practicing veterinarians in the state.

Since September 1st two veterinarians have been added to the force and assigned to the tuberculosis eradication work, and during this month over four thousand cattle were tested, notwithstanding the fact that during the last two weeks of the month one of the inspectors was placed on hog cholera control work. During the months of July and August three inspectors tested more than six thousand head of cattle, and through the co-operation of the bureau of animal industry, Purdue University, practicing veterinarians, county agents and the farm bureaus, the per head cost of this work has been reduced to a figure which is more than 50 per cent less than the general average throughout the United States.

The present appropriation has been found to be quite insufficient to meet the ever increasing demand for this work. We believe that the plan of turning all fully accredited herds over to the practicing veterinarian will serve to relieve the situation to a degree, but if we are ever to approach the eradication of this dreaded malady some arrangement must be made whereby counties, townships and municipalities may share directly in the expense. Steps to this end are now being considered by this department.

At the close of the fiscal year there were 500 herds comprising more than ten thousand cattle, which were fully accredited. Nearly six thousand herds, comprising 50,000 cattle, had been found on initial test to be free from disease, and there are more than two thousand herds now on the waiting list.

It was largely through the prompt and whole-hearted co-operation of this department with the United States Bureau of Animal Industry, practicing veterinarians, Purdue University, farm bureau organizations and the public press that the worst outbreak of hog cholera the state has experienced since 1913 was brought under control, and the losses held to a comparatively small sum.

In accordance with the policy of this department, two meetings were held at which all interested were represented. After a very thorough and frank discussion of the several problems the board promulgated certain rules and regulations which we believe will aid very materially in controlling and eradicating contagious diseases among live stock.

FINANCIAL REPORT

For the period from October 1, 1920, to June 30, 1921, fertilizer plant license fees paid into the treasury		
Total receipts paid into treasury	\$ 4,501 00	
Payment for cattle condemned under act of March 14, 1919, relative to the eradication of tuberculosis from October 1, 1920, to September 30, 1921,		
appropriated	\$50,000 00	
Payment for cattle condemned under act of March 14, from July 1, 1921, to September 30, 1921, paid out		
	49,969 86	
Reversion to treasury	\$ 30 14	
For salaries and expenses October 1, 1920, to September 30, 1921 appropriated	\$35,000 00	
out		
paid out	33,233 36	
Reversion to treasury	\$ 1,766 64	
For foot and mouth disease and glanders, annual appropriation For foot and mouth disease and glanders, paid out	\$50,000 00	
Reversion to treasury	\$50,000 00	

REPORT OF THE CO-OPERATIVE CROP REPORTING SERVICE FOR INDIANA

U. S. DEPARTMENT OF AGRICULTURE Bureau of Markets and Crop Estimates
H. C.-TAYLOR, Chief.
L. M. ESTABROOK, Associate Chief.

INDIANA LEGISLATIVE REFERENCE BUREAU Department of Agricultural Statistics

C. KETTLEBOROUGH, Director.

GEO. C. BRYANT, Agricultural Statistician.

In submitting the second annual report of the Co-operative Crop Reporting Service for Indiana, considerable pride is felt in the progress that has been made in the efficiency of the statistical reports returned by the township assessors as compared to previous years. Of the 1,017 townships in the state a report was received from each one. In some of the townships a few farms were not reported, but this was due generally to the fact that these farms had been operated by tenants who had moved out of the county. Various tables setting forth the information contained in the township statistical reports for 1919 and 1920 are printed herewith, showing the number of farms, the tenure and race of operators, the total land in farms, whether the land is used for crops or other purposes, the acreage devoted to each crop and the number of acres that produce more than one crop. All classes of live stock are shown by age, together with the number of purebred sires and females for breeding purposes. The number of orchard trees is given as well as some other useful information.

The official crop report, issued monthly, has gained very much in popularity and requests to be put on the mailing list are constantly being received, especially from farmers, manufacturers of farm implements and other farm accessories, and banks and loan companies doing a large part of their business in the agricultural districts. This service is of special value to farmers in planning their crop acreages and to business men in the distribution of their merchandise. The railroads are much benefitted by it and can anticipate the distribution of their cars very advantageously by studying crop conditions in the counties through which the roads pass. These reports are prepared from data furnished by more than 1,200 voluntary correspondents—mostly farmers—who make reports monthly on special blanks sent to them from this office. Much credit is due these men for their conscientious efforts and the ac-

curacy with which they forecast the final outturn of the crops. A table is printed herewith giving a comparative summary for Indiana crops for 1920 and 1921, and one giving the acreage by counties of the principal crops for 1921. A summary of United States crops for 1921 is given below.

TABLE No. I

Showing Acerage, Yield, Production and Value of Crops Grown in the United States in 1921

Crops		Production	Farm Value December 1			
Crops	Acreage	Per Acre Total		Unit Per Uni		Total
Corn	103,850,000	29.7	3,081,251,000	Bushels	\$0 424	\$1,305,624,000
Winter wheat	42,702,000	13.7	587,032,000	Bushels	952	558,725,000
Spring wheat	19,702,000	10.5	207, 861, 000	Bushels	858	178,343,000
All wheat	62,408,000	12.7	794,893,000	Bushels	927	737,068,000
Oats	44,826,000	23.7	1,060,737,000	Bushels	303	321,540,000
Barley	7,240,000	20.9	151, 181,000	Bushels	422	63,788,000
Rye	4,228,000	13.7	57,918,000	Bushels	702	40,680,000
Buckwheat	671,000	21.0	14,079,000	Bushels	812	11,438,000
Flaxseed	1,165,000	7.0	8,112,000	Bushels	1 446	11,732,000
Rice	1,022,000	38.8	39,653,000	Bushels	963	38, 189, 000
Potatoes	3,815,000	90.9	346,823,000	Bushels	1 111	385, 192, 000
Sweet potatoes	1,066,000	92.6	98,660,000	Bushels	881	86,910,000
Hay, tame	58,742,000	1.39	81,567,000	Tons	12 13	989, 693, 000
Hay, wild	15,483,000	.98	15,235,000	Tons	6 63	101,083,000
All hay	72, 225, 000	1.30	96,802,000	Tons	11 27	1,090,776,000
Tobacco	$1,473,000 \\ 31,427,000$	758.8 †126.9	1,117,682,000 8,340,000	Pounds Bales	*186 *162	207, 570, 000 674, 877, 000
Cotton seed		7120.9	3,704,000	Tons	29 15	107, 972, 000
Clover seed	869,000	1.6	1,411,000	Bushels	10 27	14, 488, 000
Sugar beets	809,426	9.49	7,677,877	Tons		48, 403, 000
Beet sugar		2,501	2.024.764.000	Pounds	0 30	
Cane sugar	209,000	2,555	534,000,000	Pounds		
Maple sugar		2,000	25.761.000	Pounds		6.589.038
Sorghum sirup	518,000	87.8	45,470,000	Gallons	63	28,627,000
Peanuts	1,212,000	673.7	816, 465, 000	Pounds	04	32, 288, 000
Beans (7 States)	771,000	11.8	9,118,000	Bushels	2 66	24, 298, 000
Kafirs (10 States)	4,652,000	24.7	115, 110,000	Bushels	393	45, 260, 000
Broomcorn (7 States)	207,400	†338.5	35,100	Tons	• 72 76	2,554,000
Onions (22 States)	55,829	226.6	12,652,000	Bushels	2 131	26,966,000
Cabbage (25 States)	94,035	6.4	606,274	Tons	48 02	29, 116, 000
Hops (4 States)	28,000	1,040.7	29,140,000	Pounds	244	7,117,000
Cranberries (3 States)	25,000	14.9	273,000	Barrels	16 60	6, 192, 000
Apples, total			96,881,000	Bushels	1 685	163, 215, 000
Apples, commercial			20,098,000	Barrels	4 63	93,008,000
Peacnes			32,733,000	Bushels	1 594	52, 176, 000
Oranges			30,700,000	Boxes	2 08	63,850,000
Soy beans		15.1	2,815,000	Bushels	2 16	6,080,000
Cowpeas	1,286,000	7.5	9,581,000	Bushels	1 77	16,960,000

†Pounds per acre. *Cents per pound.

TABLE No. II

Showing Final Estimate of the Acreage Devoted to Principal Crops in Indiana in 1921

	V				
	Wheat	Rye	Corn	Oats	Tame Hay
Adams. Allen. Bartholomew. Benton. Blackford.	13,400	1,200	46, 100	32,200	36,600
	24,600	3,000	74, 200	56,500	62,500
	46,600	1,200	57, 500	9,800	29,600
	4,200	300	102, 500	84,400	13,000
	3,700	600	26, 300	12,100	11,600
Boone Brown Carroll Cass Clark	12, 100	2,200	78,400	38,900	28,900
	5, 600	400	15,100	2,800	10,900
	15, 200	10,500	64,600	26,800	20,600
	26, 200	12,600	64,900	27,500	23,900
	16, 100	700	31,700	6,900	17,000
Clay	22,600	1,200	42,300	14,000	27,600
	25,700	3,200	79,000	35,200	20,500
	11,900	800	25,800	5,800	18,300
	36,400	900	57,900	16,600	28,200
	15,000	1,700	22,200	3,900	29,100
Decatur. Dekalb. Delaware. Dubois. Elkhart.	39,400	1,700	59,100	6,100	23,900
	16,900	.4,300	35,300	21,600	39,000
	15,500	4,200	67,000	23,100	27,000
	37,600	500	33,700	12,900	30,300
	28,400	12,500	43,900	23,800	31,800
Fayette. Floyd. Fountain Franklin Fulton	19,600	2,800	33,600	3,800	11,800
	4,700	300	10,800	1,700	9,100
	16,000	5,500	64,600	31,500	18,900
	26,900	2,500	42,200	3,800	24,500
	8,300	10,600	49,800	25,400	21,600
Gibson. Grant. Greene. Hamilton. Hanook.	50,700	800	69,100	11,200	25,000
	15,400	3,000	65,300	33,700	28,700
	24,600	900	56,400	15,200	33,300
	19,900	1,800	68,700	23,100	22,200
	23,300	3,400	58,600	21,600	21,200
Harrison. Hendricks. Henry Howard. Huntington.	29,700	2,000	32,900	6,600	21,100
	22,800	3,500	66,800	21,200	26,600
	26,900	3,900	71,000	23,100	24,300
	11,700	3,100	54,700	25,100	19,400
	11,300	2,400	54,900	40,400	30,100
Jackson Jasper Jay Jefferson Jennings	33,500	2,600	50,500	8,700	24,700
	12,500	5,200	75,500	58,900	13,900
	10,800	2,500	58,200	32,700	35,700
	19,200	1,000	32,000	5,100	23,100
	18,500	700	35,000	7,400	22,200
Johnson Knox Kosciusko. Lagrange. Lake.	44,700	400	53,200	4,400	23,300
	65,400	2,200	76,300	15,300	27,200
	18,500	12,500	63,000	32,200	41,300
	21,700	13,300	41,900	16,200	31,200
	12,500	1,800	48,900	35,600	34,900
Laporte	47,400	12,300	75,300	38,700	25,000
	14,700	1,400	37,200	11,700	32,800
	24,400	2,200	83,700	26,900	29,400
	25,900	1,100	52,200	17,200	28,200
	21,700	11,400	52,100	24,200	31,800
Martin Miami Monroe Montgomery Morgan	7,800	300	25,700	5,200	17,100
	23,500	3,100	53,000	22,800	23,300
	10,500	1,200	30,000	8,700	24,000
	15,200	6,800	85,700	41,700	34,900
	30,600	1,400	52,000	8,900	26,200
Newton Noble Ohio Orange Owen	5,700	2,500	65,900	51,200	8,300
	28,600	8,400	43,100	20,400	32,400
	3,400	500	6,300	600	9,200
	13,700	600	34,800	7,900	16,500
	15,900	1,000	32,800	7,400	24,000

TABLE II—Continued

Parke	<u> </u>								
Perry, Pike. 17,500 300 23,900 4,800 19,000 Porter. 21,200 5,600 48,900 30,200 29,600 Posey. 64,700 300 62,000 8,500 21,000 Pulaski. 11,300 8,300 56,800 36,000 15,700 Putnam. 23,700 3,600 59,300 21,000 29,200 Randolph. 30,600 2,500 76,800 32,100 28,700 Ripley. 32,500 3,200 42,100 6,100 43,000 Rush 46,200 3,000 81,700 10,800 29,100 St. Joseph. 31,300 9,100 42,700 22,200 33,100 Scott. 10,600 400 19,100 3,600 9,600 Shelby. 49,400 1,200 80,600 11,400 26,800 Spencer. 40,500 1,000 41,400 10,200 Steuben. 12,600 9,600 25,400 <		Wheat	Rye	Corn	Oats	Tame Hay			
Putnam 23,700 3,600 59,300 21,000 29,200 Randolph 30,600 2,800 76,800 32,100 28,700 Ripley. 32,500 3,200 42,100 6,100 43,000 Rush 46,200 3,000 81,700 10,800 29,100 St. Joseph. 31,300 9,100 42,700 22,200 33,100 Scott 10,600 400 19,100 3,600 9,600 Shelby. 49,400 1,200 80,600 11,400 26,800 Spencer. 40,500 1,000 41,100 6,300 32,300 Starke. 13,000 9,600 25,400 12,000 25,800 Sullivan. 28,600 3,100 58,800 25,600 24,900 Switzerland. 28,600 3,100 58,800 25,600 24,900 Switzerland. 13,300 1,800 15,500 98,200 50,500 22,800 17,700 Tippecance. </th <th>Perry. Pike. Porter.</th> <th>17,500 15,900 21,200</th> <th>300 800 5,600</th> <th>23,900 38,300 45,900</th> <th>4,800 7,600 30,200</th> <th>19,000 19,400 29,600</th>	Perry. Pike. Porter.	17,500 15,900 21,200	300 800 5,600	23,900 38,300 45,900	4,800 7,600 30,200	19,000 19,400 29,600			
Scott	Putnam. Randolph Ripley.	23,700 30,600 32,500	3,600 2,800 3,200	59,300 76,800 42,100	21,000 32,100 6,100	29,200 28,700 43,000			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Scott. Shelby. Spencer.	10,600 49,400 40,500	1,200 1,000	19,100 80,600 41,100	3,600 11,400 6,300	9,600 26,800 32,300			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Sullivan. Switzerland. Tippecanoe.	28,600 8,400 19,800	3,100 1,300 5,600	58,800 16,400 98,200	25,600 2,800 50,500	24,900 17,700 23,300			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Vanderburgh	29,400 8,700	200 2,200	27, 900 37, 900	4,600 18,300	18,700 11,500			
Wells. 8,900 1,300 54,800 31,800 28,900 White. 7,300 6,800 97,500 67,400 21,500 Whitley. 9,600 2,500 35,000 26,800 27,600	Warren	8,200 26,800	2,900 600	68,800 38,900	45,300 9,700	12,600 28,700			
Total. 2,012,000 306,000 4,718,000 1,875,000 2,249,000	Wells	8,900 7,300	1,300 6,800	54,800 .97,500	31,800 67,400	28,900 21,500			
	Total	2,012,000	306,000	4,718,000	1,875,000	2,249,000			

COMPARATIVE STATISTICS OF INDIANA CROPS

TABLE III Showing Acreage, Yield Per Acre, Production, Price December 1, Total Value and Value Per Acre 1921-1920

Value Fer Acre	1920	25.3 90 28.3 90 18.8 86 18.8 86 19.2 40 19.2 60 19.2 60 19.2 60 19.2 60 19.3 60 11.4 80 11.4 8
Value E	1921	\$13 6 96 6 96 6 96 131 131 121 123 131 131 131 131 131 131
Total Value	1920	\$115, 500, 660 35, 362, 500 35, 362, 500 1, 902, 690 5, 562, 240 5, 772, 240 1, 547, 800 1, 547, 800 1, 547, 800 1, 542, 400 2, 829, 680 2, 88, 88, 88, 88, 88, 88, 88, 88, 88, 8
Total	1921	\$62, 843, 760 13, 070, 1840 13, 070, 1840 18, 070, 1840 2, 933, 940 2, 940, 940 1, 837, 500 1, 957, 900 1, 957, 90
Dec. 1	1920	25 25 25 25 25 25 25 25 25 25
Price, Dec. 1	1921	20 10 10 10 10 10 10 10 10 10 1
ction	1920	185, 777, 000 24, 875, 000 76, 875, 000 3, 892, 000 6, 589, 000 19, 800, 000 2, 84, 000 1, 100, 000 1, 100, 000 2, 880, 000 2, 880, 000 1, 100, 000 1,
Production	1921	169, 848, 000 24, 144, 000 45, 072, 000 3, 978, 000 2, 425, 000 3, 570, 000 2, 425, 000 68, 000 68, 000 120, 000
T timit	OHE	Bushels Bushels Bushels Bushels Bushels Bushels Pounds Tons Tons Bushels Bushels Bushels Bushels Bushels Bushels Bushels Bushels
er Acre	1920	4,000 100 100 100 100 100 100 100 100 100
Yield Per Acre	1921	36 124 124 129 130 130 140 110 110 110 110 110 110 110 110 11
res	1920	4,834,000 2,070,000 1,875,000 81,000 2,200 2,20,000 2,20,000 13,000 14,600 1,200 6,000 3,000 1,200 1,200 6,000 3,000
Acres	1921	4,718,000 2,012,000 1,878,000 65,000 76,000 2,249,000 12,000 13,000 12,000 13,000 13,000 13,000 14,000 15,000 16,000 16,000 17,000 18,000 18,000
, and J	Orors	Corn. Wheat Oats Oats Barley. Rya Barley. Rya Buckwheat Potatoes. Sweet potatoes. Tobacco. Hay, wild Clover seed Sorghum sirup. Odnions. Cabbages. Apples. Apples. Peaches.

TABLE IV

FARM LANDS: NUMBER OF FARMS, TENURE, RACE AND AREA

11		ı	1 10	_ თ_4.თ∞=	4 001~0000	. 0100412-10	401-800	100400	10 00 00 00 to
	Total (Acres)	1919	22, 161, 755				228, 944 222, 662 247, 741 267, 283 281, 758		
	Total	1920	20,968,981	207, 631 392, 675 244, 316 252, 613 101, 143		204,088 247,618 180,494 256,953 185,512		131,005 82,552 236,154 246,506	
PERATED	Acres)	1919	7,643,270	72, 596 144, 205 89, 041 161, 967 40, 528	103,550 38,070 101,850 92,252 41,753	69, 860 122, 932 • 20, 984 90, 533 34, 064		57, 228 14, 067 120, 214 53, 884 93, 859	130, 151 98, 976 64, 202 88, 984 90, 126
ACREAGE OPERATED	Rented (Acres)	1920	7, 289, 458	72, 481 153, 475 89, 986 153, 868 50, 752	99, 713 18, 805 104, 431 99, 780 32, 041	58,911 120,073 9,050 81,599 36,017	. 83,733 82,941 86,984 29,204 78,738	60, 734 12, 401 121, 589 68, 174 88, 464	116, 751 104, 443 76, 480 92, 652 94, 775
Ą	(Acres)	1919	14, 518, 485	140, 967 256, 059 163, 062 97, 391 63, 973	157, 958 155, 177 130, 288 159, 946 192, 743	154, 582 130, 311 172, 020 183, 894 152, 481	154, 089 137, 000 161, 367 239, 817	75,057 74,862 124,240 189,675 137,240	178, 204 151, 600 279, 766 169, 504 98, 757
	Owned (Acres)	1920	13,679,523	135, 150 239, 200 154, 330 98, 745 50, 391	156,070 139,884 122,051 141,646 179,497	145, 177 127, 545 171, 444 175, 354 149, 495	147, 689 137, 812 150, 084 229, 981 182, 503	70, 271 70, 151 114, 565 178, 332 133, 564	144, 720 145, 448 232, 773 150, 321 92, 352
	p	1919	312 1	:::::	H :: H :: H ::		::	:41 : : :	∞ w ro w :
	Colored	1920	317		64 : : : : : : : : : : : : : : : : : : :	0	- 2	1 22	6 7 7 14
RACE	te	1919	200,891	2,303 3,925 1,978 1,250 1,016	2,822 1,436 2,048 1,969	2,393 1,796 2,587 2,079	1,864 2,411 2,711 2,014 3,107	981 1,220 1,865 1,958 2,215	2,480 2,869 3,330 1,973
	White	1920	202,038 2	2,302 4,215 2,038 1,245 1,113	3,006 1,297 2,060 2,307 1,971	2,397 2,380 1,797 2,599 2,100	1,900 2,451 2,907 2,228 3,103	1,063 1,222 1,901 2,044 2,232	2,556 2,900 3,410 2,851 2,028
	gers	1919	1,178	17 16 3	27 1 78 17	10 28 28 17	24 3 11 6	10	8 15 25 25 83
	Managers	1920	226	1.92255	15 3 23 23	16 9 26 37 9	70 C C C C C C C C C C C C C C C C C C C	25.	22 9 11 2
FENURE	Renters	1919	64,324	1,327 651 722 381	989 199 842 914 410	846 1,080 100 740 405	504 857 925 238 866	377 266 723 379 895	1,040 1,136 607 971 850
TEN	Ren	1920	61,671	714 1,483 620 700 506	1,122 172 861 931 342	587 1,050 104 742 344	563 817 930 905	426 118 839 495 748	1,011 1,172 657 991 874
	Owners	1919	135, 701	1,608 2,581 1,301 512 632	1,807 1,236 1,128 1,440 1,545	1,547 1,274 1,668 1,841 1,663	1,336 1,551 1,776 1,781 2,236	594 968 1,134 1,571 1,293	1,495 1,713 2,669 1,868 1,120
	Owr	1920	139, 707	1,583 2,727 1,396 536 606	1,87i 1,122 1,192 1,375 1,614	1,794 1,321 1,667 1,821 1,753	1,332 1,622 1,866 1,913 2,195	637 1, 109 1, 050 1, 549 1, 459	1,529 1,746 2,707 1,863 1,152
	County		State Totals	AdamsAllenBartholomewBentonBlackford.	Boone	Clay Clinton Crawford Daviess	Decatur Dekalb. Delaware. Dubois.	FayetteFloydFountainFranklinFulton	Gibson

IV. FARM LANDS: NUMBER OF FARMS, TENURE, RACE AND AREA-Continued

	Acres)	1919	300, 794 251, 924 248, 512 184, 628 234, 846	310,056 357,222 240,788 224,324 239,221	196,639 313,563. 339,224 240,932 229,364	366,654 271,576 275,822 211,864 278,654	210,038 216,053 253,653 318,734 251,553	251,894 253,688 54,405 254,917 252,766
	Total (Acres)	1920	287, 658 243, 204 238, 565 181, 748 233, 558	293, 737 322, 461 233, 781 221, 326 221, 132	196,695 300,404 311,936 219,322 225,028	336,107 250,268 265,323 196,349 264,414	191, 975 224, 519 228, 155 299, 280 239, 333	227, 217 250, 579 54, 380 235, 083 226, 431
PERATED	(Acres)	1919	43,415 80,786 98,958 86,282 90,149	89, 133 223, 101 103, 586 32, 492 46, 704	87,822 123,897 115,701 90,961 123,214	155,372 31,647 90,071 101,380 89,866	34,507 84,052 43,380 128,687 76,595	140, 421 96, 280 8, 902 30, 244 58, 718
ACREAGE OPERATED	Rented (Acres)	1920	41, 977 81, 816 94, 861 81, 955 85, 923	58,000 179,978 100,626 32,936 45,726	94,352 122,356 110,722 70,533 120,318	156, 242 37, 453 106, 847 85, 344 96, 368	25, 603 88, 882 42, 342 116, 586 61, 528	116, 226 103, 241 6, 989 32, 502 47, 408
	Acres)	1919	257, 379 171, 138 149, 554 98, 346 144, 697	220, 923 134, 121 137, 202 191, 832 192, 517	108, 817 189, 666 223, 523 149, 971 106, 150	211, 282 239, 929 185, 751 110, 484 188, 788	175, 531 132, 001 210, 273 190, 047 174, 958	111, 433 157, 408 45, 503 224, 673 194, 048
	Owned (Acres)	1920	245, 681 161, 388 143, 704 99, 793 147, 635	235, 737 142, 483 133, 155 188, 390 175, 406	102, 163 178, 048 201, 214 148, 789 104, 710	179,865 212,813 158,476 111,005 168,046	166,372 135,637 185,813 182,694 177,805	110, 991 147, 338 47, 391 202, 581 179, 023
	Colored	1919	13		9 : : :	0 :4 :	2-2	1 2 2
E	Col	1920	10		9	30	10 :: 2	
RACE	ite	1919	2, 973 2, 503 2, 490 2, 059 2, 598	2,576 1,697 2,483 2,427 1,992	2,035 2,393 3,331 2,030 1,666	2,377 2,314 3,134 2,689 2,708	1,645 2,204 2,208 2,538 2,472	1,003 2,437 538 2,255 1,937
	White	1920	2, 993 2, 523 2, 522 2, 146 2, 631	2,590 1,725 2,527 2,483 1,989	2,047 2,454 3,335 2,021 1,697	2,389 2,308 3,165 2,801 2,710	1,600 2,188 2,214 2,254 2,408	988 2,451 584 2,260 1,870
	agers	1919	15 77 8 8	10 17 22 31	18	9003	6 10 15 21	10 4
	Managers	1920	19 26 5 7	1.15 1.18 8.8 8.8	21 13 18 10 10	17 10 5 17 8	35 10 28 28	10 6 33 14
URE	ters	1919	394 767 912 881 899	673 916 868 364 434	811 1,045 1,121 721 849	955 256 947 1,150 768	277 753 381 1,045 718	1,024 97 273 473
TENURE	Renters	1920	390 684 866 879 879	507 398 970 394 392	782 1,042 1,073 589 822	787 342 1,057 1,057 824	242 844 343 892 594	562 903 83 288 297
	lers	1919	2,577 1,659 1,565 1,173 1,697	1, 903 771 1, 601 2, 057 1, 536	1,206 1,354 2,186 1,309 815	1,377 2,061 2,178 1,513 1,940	1,363 1,442 1,829 1,479 1,735	432 1,409 446 1,983 1,457
	Owners	1920	2,594 1,818 1,656 1,266 1,752	2,082 812 1,543 2,082 1,597	1,244 1,405 2,245 1,423 870	1,586 1,963 2,103 1,757 1,878	1,355 1,341 1,831 1,652 1,788	416 1,542 501 1,939 1,562
	COUNTY		Harrison Hendricks Henry Howard	Jackson Jasper Jay Jefferson Jefferson	Johnson Knox Kosciusko Lagrange Lake.	Laporte Lawrence Madison Marion	Martin. Miami. Monroe. Montgomery Morgan.	Newton Noble. Ohio. Orange. Owen.

273,864 237,144 205,039 255,237 253,186	267,833 298,292 283,656 276,767 252,374	277, 420 120, 962 250, 924 246, 444 185, 363	192, 774 279, 761 140, 700 312, 490 162, 521	106,758 143,750 155,991 240,661	249,833 232,286 246,430 314,819	243, 589 228, 982 316, 370 210, 136
250,587 215,203 182,639 232,151 232,598	250,949 286,194 279,487 265,186 253,667	258, 103 105, 130 247, 763 231, 937 154, 429	183,479 247,082 135,507 299,159 159,656	99,761 131,058 130,620 223,030	251,453 209,507 220,151 303,101	241,999 219,581 307,886 194,372
78, 465 21, 316 49,067 113, 299 127, 564	131, 930 70, 187 123, 146 27, 622 105, 183	101, 207 24, 771 124, 973 69, 748 75, 714	51, 163 66, 734 28, 603 160, 114 64, 748	44,476 44,285 65,416 90,106	103,927 123,905 69,091 41,510	109, 033 95, 592 175, 787 69, 425
67, 195 19, 789 32, 824 103, 439 113, 807	129, 587 51, 637 123, 494 26, 531 106, 646	99,956 18,238 117,971 66,390 61,678	65, 428 58, 491 26, 116 159, 522 65, 990	37,404 44,440 57,083 68,617	105,490 110,201 59,461 36,006	108, 551 89, 581 175, 712 57, 664
195, 399 215, 828 155, 972 141, 938 125, 622	135, 903 228, 105 160, 510 249, 145 147, 191	176, 213 96, 191 125, 951 176, 696 109, 649	141,611 213,027 112,097 152,376 97,733	62,282 99,465 90,575 150,555	145,906 108,381 186,339 273,309	134, 556 133, 390 140, 583 140, 711
183, 392 195, 414 149, 815 128, 712 118, 791	121, 362 234, 557 155, 993 238, 655 147, 021	158, 147 86, 892 129, 792 165, 547 92, 751	118,051 188,591 109,391 139,635 93,666	62,357 86,618 73,537 154,413	145,963 99,306 160,690 267,095	133, 448 130, 348 132, 174 136, 708
	1 41 22 12 21 22	25.5	104	16 25	4	50 11
4	23.28		4100	73 53		6
2,215 1,821 2,142 1,761 2,060	1,747 2,677 3,123 2,793 2,006	2, 637 1,093 2, 635 2,522 1,388	1,764 2,811 1,789 2,388 1,833	1,627 1,047 2,711	$\begin{array}{c} 2,509 \\ 1,267 \\ 2,485 \\ 2,529 \end{array}$	2,383 2,522 1,970 2,019
2,209 1,807 2,125 1,772 1,996	1,713 2,650 3,196 2,776 2,022	2,670 1,030 2,055 2,545 1,164	1,772 2,801 1,790 2,388 1,841	777 1,582 1,001 2,649	2,510 1,267 2,470 2,489	2,389 2,533 1,966 2,024
27 18 99 6	60	5 6 11 11 11	0 122		112 5	16
37.	92220	07-484	0440	22 10	13	11 2 2 13
665 280 483 665 1,061	800 552 1,227 313 859	934 198 1,113 718 576	439 673 310 1,035 630	329 562 462 991	976 670 498 348	994 972 1,080 651
582 177 324 631 838	703 423 1,276 258 796	851 141 1,098 694 434	546 552 319 948 761	314 490 402 683	1,016 630 754 347	830 805 1,026 602
1,524 1,524 1,560 1,090 998	2,065 1,910 2,481 1,152	1,698 889 1,516 1,828 814	1,325 2,141 1,478 1,352 1,197	456 1,080 585 1,745	1,533 585 1,986 2,124	1,378 1,550 885 1,364
1,610 1,623 1,764 1,134 1,137	1,005 2,222 1,926 2,415 1,240	1,810 882 1,455 1,850 731	1,220 2,249 1,470 1,438 1,080	463 1,099 599 1,979	1,493 636 1,717 2,129	1,547 1,728 939 1,409
Parke Perry. Pike Porter. Posey	Pulaski Putnam Randolph Ripley Rush	St. Joseph. Scott. Shelby. Spencer. Starke.	Steuben. Sullivan. Switzerland. Tippecanoe. Tipton.	Union Vanderburgh Vermillion	Wabash Warren Warrick Washington	Wayne Wells White Whitley

TABLE V ACREAGE IN FARMS NOT USED FOR CROPS

Land Crops	1919 acres	9,413,561	66, 798 145, 760 95, 372 52, 069 42, 399	84,961 155,590 68,566 87,781 140,362	92,888 77,724 126,215 118,545 103,112	93, 796 92, 986 88,416 134, 866 109, 374	58, 277 53, 827 87, 868 143, 334 95, 706	106,804 92,247 191,408 83,267 52,330
Total Not in	1920 acres	8,961,827	65, 167 146, 388 95, 095 48, 267 39, 533	76,487 123,945 68,105 77,518	89,157 72,860 112,970 114,793 103,424	98, 642 85, 720 84, 619 130, 853 105, 148	60,186 52,758 85,870 138,583 90,505	101, 931 87, 147 172, 886 82, 964 50, 097
Land	1919 acres	1,079,472	6,731 14,924 5,391 4,119	35,378 1,138 11,262 20,614	3,042 5,631 5,875 11,010 3,946	5,428 11,070 7,934 10,929 24,991	4,494 10,341 10,695 9,113 14,861	23,472 17,931 18,305 5,156 1,194
Fallow	1920 acres	1,025,118	2,527 11,546 11,629 1,709 1,770	2,190 24,004 2,194 5,442 21,429	6, 788 5, 872 13, 456 12, 885 6, 608	2,354 6,059 4,329 11,800 26,964	5,559 6,494 8,874 14,614	31,539 5,132 17,747 5,141 1,004
Orchards	1919 acres	183, 934	2,919 4,392 1,786 701 554	. 855 3, 333 1, 124 2, 216 2, 768	2, 222 1, 951 1, 697 2, 535 1, 758	1,009 2,422 3,389 2,233 3,895	680 1,514 993 1,579 1,646	2,340 1,428 3,375 2,401 1,667
Orch	1920 acres	155, 651	2,318 3,607 1,455 656 486	380 1,901 1,286 1,806 1,707	2,038 1,469 1,282 2,590 1,659	495 2,344 1,901 2,260 3,446	1,154 1,061 1,263 1,263	2,187 1,411 2,932 3,389 1,037
y Pasture	1919 acres	1,339,470	16,499 27,204 12,169 9,499 5,489	26,766 12,474 18,495 16,060 11,247	14, 943 27, 520 14, 153 30, 858 5, 822	25,664 11,456 19,770 10,508 14,115	11,504 1,714 13,805 8,899 15,714	22, 978 14, 254 18, 869 21, 285 13, 572
Temporary Pasture	1920 acres	1,396,064	15,382 23,365 12,716 9,748 19,951	25,089 11,939 21,567 15,910 14,369	13,566 27,082 13,160 31,818 4,841	32,697 11,011 22,781 12,653 16,304	11,285 3,435 16,834 11,845 16,999	29,369 17,272 21,249 25,083 12,231
t Pasture	1919 acres	2,909,056	16,493 30,548 20,096 24,260 14,066	23,559 25,637 12,736 20,335 33,172	37,557 12,664 30,998 35,877 49,927	27,985 22,259 27,093 25,787 24,158	18,651 9,010 28,828 55,442 31,432	22,655 25,940 82,080 19,718 15,547
Permanent Pasture	1920 acres	2,809,995	15,815 32,281 24,402 24,810 10,350	23,343 22,629 11,329 18,211 33,612	39,771 9,947 28,062 33,543 50,987	30,210 24,242 26,295 27,958 21,585	20, 212 9, 277 28, 522 55, 302 28, 013	14,347 31,368 75,276 23,606 .14,953
Land	1919 arces	1,423,008	13,691 26,343 15,131 1,449 9,823	15,127 35,034 12,605 17,695 14,349	9,884 13,024 26,194 15,248 12,880	12,284 17,477 12,821 39,044 13,013	8,087 9,633 11,333 30,720 10,600	12,574 15,728 21,170 18,271 7,464
Timber	1920 acres	1,387,248	12,218 25,231 20,642 9,238	14,003 19,391 9,110 16,364 11,012	9,518 11,575 27,227 13,497 13,030	12,706 17,021 12,223 34,130 13,234	8,838 9,095 14,053 28,334 10,256	10, 213 13, 152 19, 915 14, 991 9, 043
Land	1919 acres	2, 478, 621	16,578 50,542 31,266 10,769 8,348	18, 109 43, 734 22, 468 20, 213 58, 212	25,240 16,934 47,298 23,017 28,779	21,426 28,302 17,409 46,365	14,861 21,615 22,214 37,581 21,453	22, 785 16, 966 47, 609 16, 436 12, 886
Waste Land	1920 acres	2, 187, 751	16,917 50,358 24,251 8,590 6,738	11,482 44,081 22,619 19,785 52,655	17,476 16,915 29,783 20,460 26,299	20,180 25,045 17,090 42,052 23,615	13,741 22,938 18,906 32,965 19,658	14, 276 18, 812 35, 767 10, 754 11, 829
Correcto		State Total	Adams Allen Bartholomew Benton Blackford	Boone. Brown. Carroll. Cass. Clark.	Clay. Clinton. Crawford. Daviess. Dearborn.	Decatur Dekalb Delaware Dubois Elkhart,	Fayette Floyd. Fountain Franklin Fulton.	Gibson Grant Greene Hamilton Hancock.

193, 840	142, 180	60,386	125,051	145, 210	97, 460	134, 349	109, 731
86, 866	137, 611	90,187	177,217	82, 617	104, 390	158, 004	144, 249
94, 825	87, 747	137,771	92,755	173, 849	34, 278	111, 155	92, 509
58, 961	135, 162	94,249	65,994	114, 083	174, 880	97, 298	140, 526
86, 320	142, 070	69,447	111,448	113, 528	158, 370	84, 005	94, 016
190, 792 90, 226 80, 767 57, 787	166, 531 123, 335 82, 220 134, 118 134, 635	55, 067 102, 402 130, 353 89, 173 66, 422	116, 558 66, 422 88, 950 63, 591 111, 433	132, 890 89, 565 156, 374 100, 258	79, 798 106, 540 34, 996 164, 924 141, 123	129, 063 146, 337 107, 726 85, 303	104,068 148,207 96,521 134,651 73,925
52, 246	35, 198	3,759	27,737	13,595	1,063	4,467	11,099
1, 014	16, 637	9,775	31,375	4,846	9,290	14,199	8,475
7, 326	9, 722	13,411	11,397	39,162	816	27,532	3,032
330	7, 149	15,887	5,408	10,181	20,818	11,945	22,632
12, 073	37, 733	2,770	6,539	7,274	3,177	7,779	18,077
44, 214	48, 216	2,513	26, 594	9, 734	3, C32	10,845	8, 598
4, 219	8, 571	19,177	3, 863	7, 935	7, 705	11,269	12, 659
2, 509	3, 510	12,307	7, 389	31, 435	2, 869	21,903	9, 627
1, 476	14, 556	16,420	7, 435	5, 062	29, 816	6,042	26, 394
6, 903	31, 779	3,863	13, 916	6, 386	6, 491	18,020	2, 671
3,300	1,420	1,415	2,335	1,687	393	1,156	2,170
1,336	1,090	2,679	3,974	2,521	3,408	1,579	2,170
2,201	1,949	2,633	1,861	3,808	462	1,773	2,460
1,886	1,713	1,421	1,622	737	6,912	1,214	4,261
1,590	2,141	1,113	2,287	2,733	2,306	1,354	1,858
2,911 2,157 1,451 1,535	1,815 683 1,878 1,602 1,162	2,855 2,579 1,131 1,180	2,525 1,180 1,898 1,476 2,116	1,221 2,832 1,874 969 2,285	2,300 2,300 2,847 2,105	796 851 2,840 1,233 1,190	918 1,814 2,308 2,367 1,293
16,305	14, 132	9,824	21, 159	14, 103	8,477	9,080	9,339
16,881	3, 682	11,658	11, 543	14, 422	9,715	8,500	16,637
22,961	8, 304	12,994	19, 904	9, 561	326	16,391	20,467
17,453	18, 796	13,898	7, 138	26, 078	16,105	14,086	11,588
13,022	21, 697	3,782	21, 228	5, 417	6,799	14,489	25,203
16, 266	12,899	8,786	17,246	16,864	6,888	16,014	13,658
18, 700	9,184	15,321	1,405	18,237	15,496	6,200	14,982
21, 314	7,966	15,816	22,456	9,503	235	18,846	23,105
16, 011	10,748	13,830	8,789	23,906	16,815	10,983	10,694
12, 290	19,058	1,405	18,776	7,484	6,248	15,171	23,668
25,810	26,224	22,285	31,302	58,843	59, 559	62,406	42,563
37,216	69,565	27,570	55,001	26,806	40, 760	30,395	76,856
26,812	31,953	53,006	25,819	40,748	21, 029	30,005	25,406
17,058	62,947	29,531	24,711	42,042	40, 344	30,005	40,079
23,621	32,075	37,386	33,904	39,695	78, 636	16,129	21,354
30,887	30,190	23,343	29,095	53,351	41,658	53,063	41,856
40,067	59,780	27,993	38,181	27,474	38,763	25,034	67,776
25,295	35,374	53,192	28,135	42,313	21,671	32,660	25,192
16,969	66,047	25,639	18,521	42,213	34,548	35,757	36,713
25,316	34,487	38,181	33,405	39,827	73,014	12,648	22,223
33,170	34,562	7,597	14,325	28,507	5,085	10,968	13,980
10,297	16,325	14,790	35,729	15,591	16,575	17,923	16,055
16,414	16,817	25,227	12,139	19,904	4,198	16,127	16,714
12,344	12,943	13,630	13,090	16,199	29,834	7,680	18,260
20,663	15,197	5,919	20,302	18,158	24,408	21,799	11,173
28, 359	31,178	7,900	17,166	24,556	6,081	11,564	10,988
12, 757	22,814	11,343	7,024	13,886	15,119	22,883	23,553
17, 246	17,810	21,536	11,832	25,518	4,352	12,618	45,708
13, 280	17,428	10,224	14,102	14,375	26,366	5,918	19,730
19, 097	18,403	7,024	17,629	15,283	20,416	12,227	12,012
63,009	30,644	15,506	28, 193	28,475	22,883	46,272	31,708
20,122	30,312	23,715	39, 595	18,431	24,642	85,408	24,056
19,111	19,002	30,500	21, 635	60,666	7,450	19,327	24,430
8,990	31,614	20,882	14, 025	18,846	60,867	26,876	43,706
15,351	33,227	18,477	27, 188	40,251	43,044	22,455	16,351
68, 155	42, 243	11,526	23, 932	27, 164	21, 207	36,781	28, 050
13, 572	22, 303	25,713	14, 769	19, 201	27, 157	80,100	22, 423
12, 246	15, 682	24,823	17, 240	45, 731	5, 625	18,859	20, 581
8, 600	23, 737	21,929	13, 268	13, 733	54, 532	25,370	38, 753
12, 660	29, 744	14,769	25, 591	45, 827	32, 849	18,907	12, 058
Harrison Hendricks Henry Howard Hundington	Jackson Jasper Jay Jefferson Jefferson	Johnson Knox. Kosciusko. Lagrange. Lake	Laporte. Lawrence. Madison. Marion. Marshall.	Martin. Miami. Monroe. Montgomery.	Newton Noble. Ohio Orange. Owen.	Parke. Perry. Pike. Porter Posey.	Pulaski Putnam Randolph Ripley Rush

TABLE V. ACREAGE IN FARMS NOT USED FOR CROPS-Continued

Total Land Not in Crops	0 1919 es acres	254 108, 950 558 64, 455 906 70, 277 331 111, 586 320 80, 666	360 888 123,973 154 819 88,699 88,699 377 44,873	622 435 56,420 285 44,796 376 75,928	603 92,890 117 70,918 598 114,242 713 186,711	121 97,449 507 79,493 812 97,845 735 87,262
·	9 1920 ss acres	584 93, 178 61, 650 63, 500 113, 268 72,	782 88,5 502 111,8 782 90,1 382 87,8 561 46,5	929 38, 6 721 48, 4 281 46, 3 213 78, 3	146 82, 6 677 60, 1 600 111, 8 835 203, 7	266 102, 1 689 83, E 647 80, 8
Fallow Land	90 1919 es acres	21, 335 7, 340 6, 809 19, 867 10, 895 10, 895	068 4, 884 19, 951 12, 782 3, 616	8, 233 3, 305 10, 174 18,	6,638 14, 4,127 10, 23,769 26, 17,455 11,	5, 139 1, 7, 822 10, 7, 770 9, 4, 711 1,
	1919 1920 acres acres	3,179 21, 922 7, 1,446 6, 1,559 19, 837 10,	1, 329 10, 5, 498 17, 1, 577 11, 1, 449 4,	326 1,434 1,450 1,561 1,0	1, 956 6, 594 4, 2, 353 23, 2, 846 17,	1,706 2,177 834 2,424 4,4
Orchards	1920 acres	2, 963 761 1, 419 1, 252 2, 265	1,056 3,038 1,162 1,292 1,148	313 1,568 1,258 1,255	2,653 1 416 2,244 2 3,142 2	1, 734 1, 760 833 2, 102
Temporary Pasture	1919 acres	14, 676 11, 700 17, 858 17, 129 8, 344	16,283 25,769 3,813 22,377 13,838	10,661 8,430 4,581 16,398	13,213 6,201 15,122 30,078	22, 241 13, 430 22, 586 8, 293
Tempora	1920 acres	15, 428 9, 514 17, 003 10, 179 8, 467	13,842 23,479 4,622 19,314 13,508	10,102 9,365 4,328 15,485	14, 473 5, 776 14, 423 48, 210	31,420 18,116 16,943 6,296
Permanent Pasture	1919 acres	19,422 9,366 15,857 28,996 23,058	29,067 1 35,988 9 52,828 9 28,763 10,214	14,423 6,635 7 22,108 14,454	29,927 28,539 32,040 1 38,304	33,574 17,602 2 35,747 3 34,687
Perman	1920 acres	7 20,401 4 10,686 4 12,366 8 32,572 6 15,891	7 34,292 9 28,681 8 51,129 4 31,329 4 11,814	5 14,570 9 4,390 0 24,467 8 25,265	5 25,183 0 21,132 3 32,826 4 30,761	9 27,800 6 16,540 2 35,552 2 33,286
Timber Land	1919 acres	2 19,257 2 11,594 3 9,254 7 19,008 8 7,006	7 12,067 9 11,549 7 5,288 3 9,124 6 10,394	က် <u>ပ</u> ော်တို့တို	6 17,135 6 10,640 6 14,193 6 34,154	5 12,019 8 16,466 0 4,092 6 14,222
Tim	1920 acres	14, 742 35 6, 802 12 8, 913 34 17, 717 39, 838	15,517 37 9,699 31 4,507 9,973 12,506	27 4,145 32 8,214 36 8,955 34 11,854	13 18,126 37 14,016 34 10,836 49,606	11, 425 29 20, 758 39 9, 180 37 9, 026
Waste Land	1919 acres	385 22,832 455 23,695 396 18,212 744 34,394 954 31,153	23, 30(8) 107 25, 66(7) 129 23, 094 88, 58, 58, 58, 58	541 11,72; 715 18,28; 372 7,636 346 18,59	530 16,513 650 14,267 23,934 539 69,494	603 26,643 511 19,129 534 24,939 314 26,037
W	1920 acres	18, 38 26, 44 17, 33 31, 74	13,51 29,10 16,88 21,11 6,71	8,55 16,71 14,33	15,56 14,66 27,46	24, 6(10,55 24, 31
AHMHO		St. Joseph. Scott. Shelby. Speneer. Starke.	Steuben Sulivan Switzerland Tippecanoe Tipton	Union. Vanderburgh Vermillion.	Wabash. Warren. Warrick Washington	Wayne Wells White Whitley.

TABLE No. VI.

A. CEREAL CROPS-ACRES HARVESTED

	/heat	1919	21,619	15 184 54	86	99 35 43	76 264 80	10332	13 239 68 1	227	228	31 155
-	Buckwheat	1920	23, 902	2,247	34	70 23 30 108	225 68 55	30,	46 123 143	372	38	354
	barley	1919	74,718	2,295 4,882 8	1,232	539 1,149 342	47 6 152	16	5,039 2,827	1,975	133	18 18 217
-	Dail Dail	1920	61, 293	2,500 5,111	1,277	209	566	10	4, 393 2,003 21	280	22	75133
	Sown	1919	337, 561	1,173 2,026 1,540	940	2,652 533 6,876 7,892	991 · 923 3,223	1,497 $1,165$	1,828 1,876 6,089	13, 923	3,308	2, 625 7, 932
/e	Sc	1920	411, 922	1,565 3,672 1,441	376 771	2,753 480 12,622 18,164	977 1,454 4,570	961 1, 138 2, 174	2,026 4,909 6,238 699	17,544	3,654	
Rye	ested	1919	383, 491	1,483 2,804 2,375		3,318 326 5,656 6,923		805 2,332 3,158	3,471 3,298 6,937 1,582		1,417	3,549
	Harvested	1920	285, 941	1,408 3,048 1,599	459 675	2,371 5,204 8,833	367 768 2,443	976 921 1, 164	1,690 2,722 5,090 784	10,301	1,757	1,857
	٧n	1919	2,323,058	24, 651 33, 765 50, 475		20, 114 5, 798 27, 864 32, 000		8, 969 38, 731 14, 073	37, 103 27, 058 18, 805 34, 358		20,646	
eat	Sown	1920	1,895,848	12,966 21,122 44,953		10,722 5,224 15,002 26,600		11,743 34,804 14,893	39,072 16,555 15,165 34,664		19,032	
Wheat	sted	1919	2, 929, 552	26,002 45,581 56,045		25,727 6,543 32,158 43,285		16, 146 41, 868 18, 996	. 43, 968 32, 011 24, 501 42, 247		23, 169 9, 173	
	Harvested	1920	2,042,449	14,079 26,307 43,989	4,204	17,652 4,740 23,722 27,765		10, 159 34, 752 13, 864	38, 139 21, 179 16, 503 37, 752	-	18, 538 4, 620 18, 707	
		1919	2,004,886	29,986 58,554 9,387		37,081 4,729 30,010 25,001		5,514 18,605 4,252	5,560 22,036 23,590 14,127		2, 992 2, 149 38, 412	
Oofa		1920	2,097,183	34, 690 62, 403 11, 438		41, 108 3, 247 29, 549 30, 562		7, 143 18, 382 5, 263	7,419 24,884 26,238 14,527		4, 627 2, 174 37, 510	
~ F		1919	4,824,069	46,088 73,776 59,372		81,939 15,689 65,241 72,837		21,747 62,369 23,754	56,709 32,083 73,562 37,022		33, 991 10, 588 61, 041	
Corn		1920	4,782,076	49, 454 77, 704 56, 565		84,365 14,685 68,903 64,161		26, 106 55, 951 24, 245	56, 295 35, 527 67, 405 37, 633		31, 630 11, 187 65, 546	
	COUNTY		State Totals	Adams. Allen. Bartholomew	Blackford	Boone. Brown. Carroll. Cass.	Clay. Clinton.	Crawford Daviess. Dearborn.	Decatur. Dekalb. Delaware. Dubois.	Elkhart	Fayette. Floyd. Fountain	Franklin. Fulton.

TABLE No. VI—Continued
A. Cereal Crops—Acres Harvested

1004	раскмиевь	1919	88 80 80 80 80 80	45 119. 299 46 31	1, 261 1, 261 61 674 799	156 386 670 322	258 15 1,010 101 206	14 59 1,878 68 68 15
Bol	Yang.	1920	411 83 114 33 980	25 14 30 30	1,219 29 378 461	627 110 223 996	203 25 853 327	80 461 23 23
Dowloss	fac	1919	47 823 9 1,136 1,561	652 114 850 265 717	31 117 2,862 61 21	16 3,209 1,454 2,691	468 51 2,762 153 459	152 152 7 346 51
2	eg C	1920	485 598 158 386	505 83 829 151 1,215	2, 155 2, 155 37	$11 \\ 1,887 \\ 1,887 \\ 2,037$	274 120 1,448 148 412	33 192 12 284 79
	νn	1919	1,334 3,198 1,170 2,739 4,397	2, 297 4, 371 4, 022 2, 160 1, 149	3,254 6,996 1,854 705 838	2,634 11,769 12,279 2,796	14,880 1,423 3,263 1,368 11,456	370 1,674 1,266 9,062 1,423
e	Sown	1920	4,008 1,134 2,229 5,060	2,502 6,745 5,375 2,905	3,254 7,384 3,047 1,113	2,866 16,961 18,129 2,116	18, 134 1, 742 2, 626 1, 314 14, 721	4; 948 1, 422 10, 441 1, 821
Rye	sted	1919	1,334 2,483 1,943 2,007 5,393	1,986 3,951 2,685 1,257	6, 224 10, 740 3, 452 1, 695 1, 272	953 3,010 3,380 15,784 5,086	16,810 1,606 4,710 2,161 8,263	874 1, 405 1, 128 8, 619 1, 606
	Harvested	1920	1,494 2,038 800 1,634 4,219	1,353 2,587 2,923 3,168 1,375	2,083 6,754 1,026 1,026 412	401 1,724 12,212 11,148 2,438	12,753 2,623 2,307 1,751 8,068	383 1,380 7,484 1,039
	n	1919	39, 585 12, 359 29, 667 35, 327 20, 434	31, 243 31, 187 24, 983 16, 953 18, 531	37,740 24,286 15,602 14,639 12,243	44, 114 56, 743 41, 754 37, 227 16, 460	60, 146 30, 131 26, 305 33, 295 41, 570	6,182 30,233 .10,181 19,376 30,131
at	Sown	1920	47, 965 15, 295 23, 673 19, 414 22, 950	28, 122 21, 695 26, 631 11, 952 10, 829	33,059 10,145 10,107 19,239 17,488	43,770 65,164 17,871 20,435 12,274	44, 471 13, 908 23, 064 24, 848 19, 750	7,409 21,884 9,922 12,071 29,447
Wheat	sted	1919	69, 128 33, 088 33, 609 38, 229 24, 973	38, 420 34, 766 28, 583 19, 834 27, 063	46, 593 35, 573 19, 314 23, 659 23, 282	48, 292 80, 985 51, 715 34, 161 20, 430	. 61,470 42,597 41,143 40,490 50,267	10, 083 37, 606 14, 108 23, 680 42, 597
	Harvested	1920	39, 206 17, 391 24, 581 28, 506 22, 485	28, 575 24, 268 23, 896 14, 073 13, 460	29,775 20,903 13,962 14,747 12,931	45,032 65,095 17,146 27,065 17,960	53, 302 17, 876 28, 780 29, 455 25, 843	5,809 23,225 8,842 19,442 27,834
	1	1919	15, 751 26, 126 20, 834 26, 480 21, 937	7,638 24,563 24,421 26,167 36,678	19,847 71,024 34,425 4,140 7,466	5,692 19,704 26,023 17,592 41,667	46,991 11,208 25,300 21,745 21,596	5;961 16,075 10,574 43,964 11,208
. 3	Oats	1920	15,086 36,601 16,611 28,522 23,652	8,800 24,196 25,139 27,834 44,348	14, 532 64, 629 36, 379 6, 919 9, 505	4,712 18,855 38,992 18,346 39,496	43, 343 13, 655 28, 931 19, 139 25, 871	5, 627 24, 693 8, 548 44, 745 9, 769
		1919	78, 277 61, 403 61, 608 72, 791 59, 954	33,882 74,188 70,242 56,429 50,777	58,773 82,984 55,880 30,731 35,569	57, 372 94, 986 61, 904 43, 169 50, 175	78, 477 36, 344 81, 452 53, 752 51, 733	28, 131 50, 839 29, 604 88, 816 54, 989
	Corn	1920	69, 665 66, 672 57, 465 69, 909 58, 006	33,476 68,670 70,555 57,132 58,418	50,059 86,429 55,967 33,500 34,272	58,311 74,556 61,458 40,819 54,123	76, 919 42, 452 78, 745 47, 357 53, 667	27,572 55,567 27,533 86,012 53,510
	County		Gibson Grant Greene Hamilton Hancock	Harrison Hendricks Henry Howard Huntington	Jackson. Jasper. Jay Jefferson.	Johnson. Knox. Kosciusko. Lagrange. Lake.	Laporte. Lawrence Madison. Marion. Marshall	Martin Miami Monroe Montgomery Morgan

343 172 9 10	55 7 22 487 2,447	1,080 1,080 53 444 33	702 14 19 762	1, 424 177 91 48 133	318	191 93 39 80	274 474 474
309 236 4	2,256 2,256 9	982 3 136 660	315 50 676	383 241 71 54	208	177 18 138	1,958 838 129
5, 147 5, 147 53 24	126 373 19 963 1,244	96 923 2,477 286	946 144 212 286	6,728 73 9 153 1,600	11 9 81 154	1,125 450 48 48 48	3,667 5,218 5,218
1,035	258 13 13 439 419	264 63 1,617 14 169	659 56 69 159	4,629 127 2 107 825	175	1,009 273 12 113	2,744 7,147
3,316 5,702 374 868 1,887	2,692 569 1,900 5,462	10,989 3,528 5,633 1,864 4,017	10,715 405 1,828 1,008 15,144	10,176 2,843 2,719 6,610 1,981	288 160 5,694 5,901	2,780 2,639 817 1,992	1,036 1,875 13,410 1,762
3,078 11,707 683 846 1,298	4,035 453 1,423 7,769 455	10,726 4,442 3,220 4,093 4,946	$10,852\\627\\1,410\\1,330\\13,891$	12,051 3,993 1,669 7,723 2,176	277 507 3,370 2,305	3,324 3,324 839 1,941	2,883 1,523 11,109 4,256
5, 478 6, 492 703 731 1, 325	2,565 861 7,322 823	14,050 3,572 2,335 5,489 3,680	13,869 923 1,764 1,949 17,095	16,259 2,025 2,460 12,157 1,625	102 209 .5,428 3,925	1,676 4,122 1,804 2,118	988 1, 787 15, 695 2, 406
3,935 7,476 333 848	2,492 293 336 4,932	9,763 3,367 3,057 1,616 2,008	14,142 296 1,201 990 10,224	9,728 1,689 1,528 6,097 1,542	177 206 3,775 2,920	1,366 2,899 514 1,248	673 1,807 7,962 1,969
8, 272 35, 535 1, 521 9, 742 18, 096	23,515 17,400 22,054 30,523 45,500	24, 617 24, 493 32, 994 30, 388 53, 034	35,643 7,712 52,743 30,867 18,132	16,899 34,242 7,721 24,858 19,526	21,775 19,512 8,384 34,174	30,643 9,806 21,856 27,402	41,339 14,281 14,670 20,204
4, 502 20, 222 3, 206 13, 058 15, 471	18,762 17,220 15,456 18,194 63,229	9, 428 23, 195 29, 845 31, 682 44, 795	25, 249 9, 762 48, 122 40, 213 12, 803	10,074. 28,044. 7,585 15,454 11,800	13, 234 28, 734 5, 832 32, 245	19,531 5,977 25,347 19,209	40,882 6,575 5,942 8,630
14, 251 41, 747 4, 231 17, 968 19, 067	26,027 22,532 23,122 33,054 72,433	32,108 27,183 35,207 38,887 52,514	45,876 15,552 61,191 44,190 21,241	15,631 43,914 9,181 33,912 23,842	22, 454 29, 608 10, 440 47, 634	39,736 14,511 42,284 34,748	43, 978 22, 037 24, 959 26, 148
7,175 27,148 2,702 8,438 15,283	19,058 14,125 10,441 23,749 53,450	17, 194 25, 050 29, 573 27, 755 44, 624	37,207 6,156 54,014 30,021 11,880	14,096 29,657 6,400 26,133 18,061	17,704 21,989 9,776 37,320	22, 299 9, 639 18, 883 12, 323	33, 882 10, 654 15, 523 10, 045
57, 661 19, 975 543 8, 656 11, 513	25,741 4,661 8,158 36,545 7,491	37, 240 21, 973 33, 226 6, 432 9, 660	24, 455 3, 993 13, 103 8, 259 18, 862	12,398 23,075 2,559 55,503 18,077	1,671 3,558 29,268 23,043	25, 568 52, 775 10, 098 15, 389	9,600 34,023 66,805 23,954
23, 105 23, 105 788 9, 196 8, 143	21,358 6,624 7,896 34,918 9,433	40,827 22,222 36,095 7,750 2,457	23, 791 4, 700 13, 395 10, 401 16, 148	11,764 17,679 3,542 54,076 18,209	4, 260 6, 564 20, 305 18, 319	42, 429 50, 425 12, 328 14, 809	13,315 35,320 73,809 27,178
68, 825 39, 892 5, 517 33, 736 37, 039	59, 498 25, 217 38, 533 46, 883 63, 936		40, 636 24, 058 78, 587 40, 186 31, 017	28, 281 58, 700 13, 537 97, 976 52, 890	28,061 27,278 54,081 62,188	55,010 75,223 38,952 53,403	65, 415 56, 393 81, 069 34, 689
70,509 44,119 5,946 31,735 35,546	53, 856 24, 860 34, 893 48, 756 64, 611	59, 572 59, 270 76, 676 43, 981 82, 200	44, 245 19, 279 77, 087 40, 028 29, 404	27, 299 57, 960 13, 978 97, 946 54, 666	26, 991 32, 176 39, 398 55, 323	65, 538 69, 740 40, 274 42, 895	61, 994 55, 050 104, 312 35, 317
Newton Noble Ohio Orange Owen	Parke Perry Pike Porter Posey	Pulaski Putnam. Randolph. Ripley. Rush.	St. Joseph Scott. Shelby. Spencer. Starke.	Steuben. Sullivan. Switzerland. Tippecanoe. Tipton.	Union. Vanderburgh. Vermillion. Vigo.	Wabash	Wayne Wells White. Whitley

TABLE No. VI—ACREAGE IN CROPS—CONTINUED

B. HAY AND FORAGE CROPS HARVESTED

-, sdc	6	529	240 185 11 9.	50 000 861 976 136	52 148 564 533 31	224 109 256 272	228 228 704 84 47	832 225 989 46 135
d Cr	1919	57,	\	ਜੰ ਜੰ		ਜ		, ਜ ੰ
All Other Hay, Forage and Crops	1920	54,022	143 89 56	150 48 32 3,682	75 94 151 390 248	178 97 437 1,265 118	35 338 855 425	316 132 643 28 15
Wild Salt and Prairie Grasses	1919	26,784	25	17 578 1,470	8 288 34	12 13 17 25 295	13 14 248	155 18 292
Wild S Prairie	1920	20,379	45	16 12 11 70	233 333 211	5 55 271	5 2 118	116 256 23
and Soy or Hay	1919	27,874	15 35 17	25 56 100 47 764	56 44 579 1,653	40 808 808 950	299, 299, 34, 26	2,468 225 414 123 25
Cowpeas and Soy Beans for Hay	1920	31,378	6883	64 51 168 76 664	160 58 995 2,325 6	4 6 106 921 947	10 417 74 12 232	1,473 111 416 23 25
nd Hun-	1919	16,569	23 23 31 56	26 24 24 242	26 400 30 21 21	20 24 36 181	44 79 6 151 456	904 539 448 12 25
Millet and Hungarian Grasses	1920	23, 128	75 33 109 38 26	669 80 78 203	82 384 230 70	18 48 74 78 367	22 191 16 103 2,781	948 1113 716 30 43
Ifa	1919	64, 636	90 678 215 242 128	301 32 573 86 138	371 276 25 359 8,072	1, 283 1, 283 2, 112	235 234 182 1,448 503	1, 294 602 661 236 774
Alfalfa	1920	69,971	455 897 542 110 85	394 65 369 139 174	197 318 16 412 7,207	64 1,038 2,293	227 184 1,043 1,043	2,748 619 206 349
nd Clover ed	1919	694, 573	14, 924 18, 689 5, 784 3, 153 3, 773	10,603 1,842 11,278 8,743 5,222	6, 434 10, 640 5, 829 6, 476 7, 745	10, 503 7, 783 6, 615 3, 873 15, 563	4,756 3.092 7,509 9,461 6,106	9,968 8,029 10,108 9,957 8,488
Timothy and Clover Mixed	1920	719,941	16, 742 23, 463 6, 476 4, 011 6, 077	10, 756 2, 293 12, 192 8, 841 5, 195	3,962 7,436 6,525 5,602 10,952	14, 173 22, 385 11, 178 2, 278 13, 378	5,597 2,575 3,399 12,230 6,508	7, 524 12, 491 7, 105 12, 304 7, 459
er	1919	536, 520	4,748 6,952 7,259 4,595 1,858	7,818 976 8,659 5,298 5,221	2,451 7,055 7,055 3,596	3, 185 2, 196 7, 151 13, 076 5, 896	3,772 2,235 5,628 6,082 5,313	7,434 9,849 4,828 5,109 7,314
Clover	1920	678, 503	4, 762 10, 215 10, 909 3, 517 3, 820	10,538 1,059 8,817 16,750 3,501	3,846 6,223 6,313 6,308 4,207	4, 259 5, 762 11, 130 12, 542 7, 303	4,345 1,944 7,041 7,723 8,208	7,750 11,270 6,232 10,636 10,577
thy	1919	863,398	19, 194 37, 584 12, 502 4, 492 5, 627	8,339 5,513 4,239 6,840 5,756	21, 721 4, 569 5, 481 13, 698 11, 344	10,757 21,584 9,564 14,172 11,021	2,812 2,444 9,350 5,665 6,431	8,654 11,006 16,090 8,611 5,400
Timothy	1920	854, 253	15, 620 29, 348 14, 988 4, 554 4, 734	8,709 6,367 4,016 7,500 4,343	23, 943 5, 861 5, 960 14, 182 10, 715	9, 211 13, 582 8, 580 12, 675 14, 043	2, 423 2, 598 9, 455 6, 383 8, 275	9; 100 8, 172 20, 239 6, 049 5, 834
County		State Totals	Adams. Allen. Bartholomew. Benton. Blackford.	Boone. Brown. Carroll. Cass.	Clay. Clinton. Crawford. Daviess. Dearborn.	Decatur Dekalb. Delaware Dubois. Elkhart.	Fayette Floyd. Fountain Franklin Fulton	Gibson. Grant. Greene. Hamilton. Hancock.

16 19 38 38 56	1,776 103 191 548 2,877	155 61 832 201 666	417 294 127 59 469	3, 734 3, 734 141 175	66 1,317 385 65	50 1,954 655 65	2, 192 192 450 201
89 108 494 16 2,550	891 594 74 166 3,542	72 357 707 132 94	273 659 460 111 659	354 143 2,236 214 65	132 45 652 170	208 780 2,327 307 156	693 182 163 534 119
17 22 22	3,431	147 181 2,308	3,015 1 1 1 548	1,262	2,018 72 505 115	3 42 1,024 21	3,209
94	3,907	6 61 52 162 1,476	2, 135 38 60 800	284 25 1 29	1,255 18 1 538 6	1 626 25 1, 208	1,768
324 65 42 1137	1,006 312 112 76 585	1, 431 92 147 38	132 253 13 59 139	317 . 49 100 205 233	42 7 188 85	1,912 1,912 922 62 1,335	536 198 97 46 52
208 189 161 54	1,005 756 129 34 95	2,688 89 89 376 19	315 615 68 122 293	313 74 415 416 69	567 26 62 62 265 101	1,003 1,003 996 58 1,070	514 155 46 33 38
183 78 33 10 41	905 369 119 37 476	12 377 225 108 606	617 898 51 99 268	113 8 340 68 164	296 509 519 293	28 205 263 228 89	444 42 81 81 69
340 49 111 15 28	463 566 61 99 194	47 435 169 306 1,247	638 1,128 40 64 64 436	327 36 471 95 304	232 175 26 669 428	11 357 84 695 99	416 42 92 36 36
222 222 418 85 526	800 19 525 1,947 156	288 944, 672 1,092	859 1,016 377 627 932	102 430 363 291 991	1, 261 2, 418 275 511	550 271 331 1,050 749	96 697 610 611
269 122 1,155 180 538	565 76 465 2,219 74	340 1,579 667 1,751 1,863	894 1,494 431 603 1,341	119 386 262 550 619	65 1,023 2,339 1,817	618 317 362 1,008 564	260 397 635 416 269
6, 263 6, 939 11, 663 9, 438 12, 924	6,710 1,412 9,610 10,110 5,727	7,751 6,742 16,807 11,957 8,901	10;331 8,638 8,890 6,402 10,873	4,404 10,036 6,863 14,901 3,865	1,129 9,744 1,914 6,535 5,376	5,555 2,471 5,309 12,389 2,199	2, 134 5, 928 9, 922 14, 284 11, 651
7, 349 8, 191 15, 963 9, 368 14, 418	5,320 1,014 13,503 8,396 5,541	6,896 4,204 16,596 9,822 5,502	6,414 10,891 11,588 7,375 12,003	3,756 8,527 7,692 11,151 3,555	1,534 12,458 1,779 6,380 4,011	2,085 1,973 3,283 9,158 2,675	1,739 4,750 12,743 12,012 16,749
9, 582 6, 774 8, 183 5, 566 7, 840	8,584 908 7,973 4,785 1,883	8,955 12,917 8,368 9,442 9,442	4,218 7,080 6,349 6,291 5,618	2,583 6,343 2,371 10,547 8,495	973 8,389 756 5,457 2,357	6,472 10,830 4,173 2,937 10,445	1,453 9,698 12,451 5,013 8,159
8,335 11,973 10,758 5,799 8,799	7,696 623 10,156 5,313 2,719	18,017 14,868 13,415 10,310 1,568	3,637 10,798 9,733 12,068 11,064	3,233 8,464 3,382 12,553 10,750	1,283 13,496 1,003 5,451 2,534	8,500 8,508 4,087 3,553 15,027	1,280 9,314 12,569 5,482 12,510
5,357 11,647 4,595 4,711 8,967	12, 925 9, 888 16, 961 6, 028 12, 069	5,175 9,146 12,187 6,405 23,824	12,516 7,670 8,135 10,566 12,365	10,249 5,308 9,725 10,530	3,072 10,154 3,042 3,865 16,207	12,051 6,387 8,800 13,642 4,243	9,600 13,968 7,049 16,091 5,294
4, 983 9, 699 4, 858 8, 491	10, 711 9,858 14, 769 9,226 14, 104	4,883 9,617 9,806 5,561 27,915	14, 123 10, 204 8, 474 10, 967 7, 863	9,571 6,625 10,578 12,435 11,859	3,470 5,789 3,762 3,580 17,334	11,333 6,567 6,746 16,394 4,563	10,073 15,968 5,567 28,706 4,272
Harrison. Hendricks. Henry. Howard.	Jackson. Jasper. Jay Jefferson. Jennings.	Johnson Knox Kosciusko Lagrange Lake.	Laporte. Lawrence. Madison. Marion.	Martin Miami Monroe Montgomery Morgan	Newton Noble Ohio Orange Owen	Parke Perry Pike Porter Posey	Pulaski Putnam Randolph Ripley Rush

TABLE No. VI-ACREAGE IN CROPS-CONTINUED ,

B. HAY AND FORAGE CROPS HARVESTED

r Hay, d Crops	1919	3,293 1,137 1,137 4,187 840	141 181 196 79 75	1,742 15 541	299 31 6,741 1,257	180 54 51 133
Ali Other Hay, Forage and Crops	1920	2,571 1,322 1,061 3,546 140	56 468 447 168	954 293 611	7,140 826	13 173 155 1,692
Wild, Salt and Prairie Grasses	1919	177 44 943 1,951	19 124	52	24	40 104 104
Wild, S Prairie	1920	534 1,003 1,100	32 61 15		18 6 10	20
owpeas and Soy Beans for Hay	1919	413 90 19 1,802 782	27 741 9	702 20 86	1,737 1,44	29 149 177
Cowpeas and Soy Beans for Hay	1920	328 89 73 2,020	27 459 74 133	1,345 17 8	42 9 1,965 229	76 67 250 50
Millet and Hungarian Grasses	1919	309 46 141 19 520	131 96 148 28	57	13	96 111 86 132
Millet and Hun garian Grasses	1920	420 72 69 102 448	152 186 19 119	. 13 88 288 288	1,693 1,113 113	84 84 152 94
lfa	1919	2,495 41 863 1,609 213	1,273 798 5,459 1,309	150 732 488 374	635 139 783 63	752 455 26 276
Alfalfa	1920	4, 414 10 290 1, 227 62	2,276 507 4,026 1,157 53	81 559 545 462	393 375 399 186	620 362 72 370
nd Clover	1919	9,327 3,394 6,094 5,800	6, 425 6, 726 1, 698 5, 650 7, 275	9,043 1,249 1,177 3,382	15,425 2,051 6,318 8,590	2,125 11,494 5,812 16,917
Timothy and Clover Mixed	1920	9,522 3,638 9,885 5,431 851	7,405 5,093 2,098 4,100 4,900	8, 193 1, 526 1, 226 4, 128	10,027 1,776 6,266 10,413	14,036 9,529 5,437 14,990
rer	1919	6, 194 1, 590 8, 017 12, 077	4,048 4,238 3,116 7,109 6,015	1,995 6,963 2,877 4,089	8,361 5,696 9,702 4,027	8,032 5,641 2,503 4,290
Clover	1920	7,022 1,626 16,062 11,184	8,393 5,361 2,629 10,236 6,900	2,511° 7,476 3,206 6,096	13,029 5,760 7,730 4,596	9,805 6,444 3,761 7,345
thy	1919	9,427 3,583 6,924 8,831 5,383	12,046 14,123 7,096 8,470 4,118	1,083 6,805 5,759 14,690	7, 181 5, 298 8, 212 7, 100	4, 170 12, 037 11, 439 7, 111
Timothy	1920	10, 486 3, 353 5, 235 8, 187 4, 479	7,463 - 14,195 6,934 8,768 4,635	1,030 6,673 4,938 12,627	9,462 4,283 6,678 9,753	3, 662 10, 402 12, 193 6, 106
COUNTY		St. Joseph Scott. Shelby Spencer. Starke.	Steuben Sullivan Switzerland Tippecanoe	Union. Vanderburgh Vermillion.	Wabash Warren Warrick Washington	Wayne Wells. White.

TABLE No. VI-ACRES IN CROPS-Continued

C. Seed, Truck, Small Frum and Other Crofs Harvested.

g	16	8	62 : :	: T 8 9 9 9	35. 238. 5	\$6 10 85:	13884	384 63 ::
melo	1919	5,806				:		-
Watermelons	1920	8,373	10 7 69	2 1 121 40	64 2 379	54 88 15 101	82208	1, 218 62 64
ttoes	1919	22, 157	69 119 67	289 37 682	119 679 883 67	201 267 267 16	1552	260 656 213 132 285
Tomatoes	1920	25, 338	10	28 188 36 686	119 80 378 1, 280 44	18 664 421 21	232 6 31 22	1,043 106 132 355
Su	1919	5, 136	54	115		336	142222	31 20 31 6
Onions	1920	4,731	10801	4 . 2 2 2 1 2 2	22 - 23	504	112 102	36
l et	1919	2,136	73	35	687	4 81 - 88 81	282	277 -
oes Sweet	1920	1,340	255	17 5 7 11	361	· co · · · co)	20.03	1 : : : : : : : : : : : : : : : : : : :
Potatoes te	6161	644	298 1,353 195 42 163	283 58 546 563	41 57 50 68 704	1,043 391 517 1,293	1,192 1,192 184 413 217	124 222 5 115
White	1920	26, 118 31,	207 1,306 105 242 46	13 319 74 532 420	135 135 96 96 662	23 972 125 651 1,215	34 903 59 . 405 . 149	64 128 37 157 10
sans eans	1919	4,824	13155	455 28 26	53 111 111	73 84 84 31 210	17 11 11 11 82	321 15 46 7
Cow Peas and Soy Beans for Seed	1920	7,477	12 4 12 10	107 9 436 237 40	29 79 180 180	27 76 114 273	32 10 10 10 62 62	279 21 21
	1919	2,220	21	8 8 1, 267	16		10 45	4 :::1
Other Grass Seed	1920	2,963	1 :0:0 :	16 32 1,013	104	12 25 5	55 : : 3	275 17 23 11
Seed	1919	5,856	76 75 19 46 134		42.	184 281 76 10	70 154 25 49	131 666 386.
Timothy Seed	1920	6,048	163 154 21 93 20	108 115 119 118	38 90 17 10	71 411 114 24 55	20 15 18 18 85	79 28 356
Seed T	1919	54, 508	398 684 308 59	2,970 1,983 2,382	1,300 1,80 114	221 115 294 2,598	369 114 1,454 468 658	315 2,007 98 829 702
Clover	1920	93,418 5	717 1,092 1,534 191 113	2,540 .88 3,173 3,075	1,518 244 87	1,093 597 796 4,996	1,341 13 976 2,209 1,399	2,000 193 1,757 2,137
COUNTY		State Totals9	Adams. Alten Bartholomew Bartholomew Blackford	Boone. Brown. Carroll. Cars.	Clay. Clinton Crawford Daviess Dearborn	Oceatur Dekalb Delaware Outoois.	Fayotte Floyd Foundain Foundain Futton	Gibson. Graut. Greene Hamiton Hamoock.

TABLE No. VI—ACRES IN CROPS—Continued
C. Seed, Truck, Small Frum and Other Crops Harvested

6	26 38 14 14 14	63.2.2.83.0	7-449 380 1288 128	25 25 11	30 20 20 20 20 20	14 14 80
-						
1920	18 26 45 37	445 40 72 72	÷,	49 152 12 36 36		34
1919	178 617 347 82	545 1 306 727 783	327 169 423 4 135	39 130 1,481 995 55	212 70 107 117 1,287	11 18 280 56
1920	154 558 290 187 6	1,321 14 400 1,009	421 200 332 9 165	80 292 1,695 938 6	402 44 93 167 530	10 13 537 10
1919	11 2	274 114 128 32	427	85 26 33 177	1 2 1	903
1920	181	223 223 30 68	13 322 40 158	65 35 19 206	15.	780
1919	110	36	102	1 20 20	2	26
1920	13: 2	20 4 :81 22	200 27		N N	T-7
1919	946 57 163 30 175	287 477 62 283 356	17 53 540 477 356	2,784 496 477 855	94 78 72 129	25 749 117
1920	439 17 136 33 206	297 447 111 284 199	105 296 296 674 180	2,089 50 367 363 580	9 149 47 110 172	570 106 272 272
1919	13 1 7 22	38 38 38 37 37 37 37	109 13 79 15	61 11 100 100	36 47 47	. 41
1920	403 60 82 32 32	379 17 38 38 10	15 91 52 153 153	24 14 19 168	30 138 28 116	13
1919	. 2. 2.	3 65 280		17 11 45 8		24
1920	13 13 23	7 19 6 10 10	27	35 54 35	86	22 : 22 :
1919	23 23 23 23 23 23 23 23 23 23 23 23 23 2	179 91 119 :	17.	131 37 61 10	16 34 220 156	191
1920	17 203	288 228 100 160	8 65 70 43	60 161 35 17	29 76 145 112	• 44 4 424
1919	228 773 677 1,466	341 30 981 144 144	335 198 1,813 1,813	1,070 80 366 345 479	53 913 171 1,772 715	1,272
1920	355 1,748 1,320 1,333 898	362 119 1,157 209 304	1,961 333 2,475 890 84	616 912 1,157 1,060 1,345	1,179 1,179 329 2,718 1,273	1,688 232 292
	arrison lendricks lenry. Gward. tuntington	aokson. asper. ay 3 ay 3 anings	obnison. Inox. Gosciusko. agrange.		mery.	Newton Noble Noble Orange Owen
	1919 1920 1919 1920 1919 1920 1919 1920 1919 1920 1919 1920 1919 1920 1919	1919 1920 1919 1920 1919 1920 1919 1920 1919 1920 1919 1920 1919 1920 1919 1920 1919 1920 1919 1920 1919 1920 1919 1920 1919 1920 1919 1920 1919 1920 1919 1920 1919 1920 1919 1920	1920 1919 1919 1919	1920 1919 1920 1920	1920 1919 1920 1920	1920 1910 1920 1910 1920 1910

222 30 229 415	725	143 39 8 8 54			14 47 9 26	133
93 15 79 21 287	67 8	20 82.53 14 12	19 527 15 55	293	1917	5 14 14
170 470 3	329 305 35 7	1,273 1,273 51 227 56	211 207 22 873	461	884	574
122 187 396 2 214	243 375 116 31	1,657 202 704 5	52 52 1,221	90 7	1,277	111 588 15
	20	686 5 14 670	17 26 6	2117	,	6
1001	16	244	153	27000	300	508
48	25.	34 3	46	10	18: 5	142
36	 	87	7 70	.47.80	40	
158 349 70 1,036 417	512 109 214 168 74	2,873 102 357 883	368 33 606 179	23 58 286	195 38 564 27	183 28 68 229
254 254 393 393	364 61 209 264 105	1,995 3 56 279 733	296 55 55 133 16	626 21 51	757 86 321 36	149 148 220 338
34 12 19 35 35	138 9 21 12 16	168 4 31 197 680	38 38 12 89 89 89	17.4	1001	51 70 30 30
22 8 113 111 129	160 449 23 20 20	157 103 22 608	179 179 80 148	173 34 29	374	25 261 14
		27	0 1 28 28		46	26
23 23	20	37	17 17 91 96	: 4	331	52 21 42 3
6	810 810 86 88	110	33	10	35.52	126
3888	148 172 20 123 106	98	51 10 39 47	15	20 35 65 139	16 90 51 82
335 1,002 167 360 360 215	1, 202 1, 531 1, 531 1, 022	784 31 2,008 167 33	175 69 10 474 637	102 425 34 21	1,366 786 60 60 . 142	319 622 165 354
1,473 930 57 539 751	1,375 2,499 2,88 3,096	1,279 4,521 45 23	773 237 75 1,544 1,391	147 247 586 1,116	1,582 1,771 1,109	1,141 752 301 871
Parke. Perry Pike. Porter. Posecy.	Pulaski. Putnam. Randolph. Rapley. Rush.	St. Joseph Scott. Shelby Spencer Starke	Steuben. Sullivan. Switzerland. Tippeaanoe.	Union a anderburgh. (ermilion	Wabash. Warren. Warshik. Washington.	Wayne Wells White Whitley

TABLE No. VI—ACREAGE IN CROPS—CONTINUED

C. Seed, Truck, Small Fruit and Oher Crops Haryested

All Other	1919	13,912	387 1,535 2,226	29	30 33 48 33 25 25 25	495	405	12 493 11 330 127
All C	1920	13,628	1, 906 381 434	15 22 312	46 22 361 116 11	514 8 8	400 24 9	765. 2 68 68
Mint	1919	10,006	00			464		
Mi	1920	12,383				567		
Sorghum Cane for Syrup	1919	5,540	12 16 106	104	24 57 671 133 19	25 4 193 3	22 22 34 18	178 1. 27 1
Sorghu for Sy	1920	6,630	111 477	109 38 112	15 560 63 22	. 15 37 851 37	20 20 39 46 18	512 5 17 16
Tobacco.	1919	19, 232	6	28	153 1,287	13	34 97 817	• 18 76
Tobs	1920	17,311	10	21	1,749	231	34 87 993	101076
Other Small Fruits	1919	3,832	111 79 9	29 37 317	4.7 4.7 4.7 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2	18 18 8 5 5 7	724 33 68 68	12.11.13
All Other Small Fruits	1920	3,078	23 44 27 13	228 228 228	3 246 34 6	23 55	523 7 7	17
erries	1919	2,459	19 70 3	2 1 65 217	1 52	48 30 134	180 40 6 6 8	r-04 4
Strawberries	1920	1,891	115 15 6 6	1 1 93 171	222	255 70 59	161 14 14 6 6	4° ≈ − 3° °
r Truck	1919	26,974	271 488 35 35	381 21 354 440	229 49 297 168 173	161 441 211 591	28 693 35 31 330	160 98 23 24 22
All Other Truck Crops	1920	27, 561	285 693 39	44 157 424 322	491 22 554 167 153	42 442 271 137 573	39 895 85 165 420	40 148 43 343 19
loupe	1919	3,713	222 311	113	2 70	61 2 158	7255	1,470
Cantaloupe	1920	4,477	10	33 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	69	28 37 130	13 13 7	1,760
COUNTY		State Totals	Adams. Allen Bartholomew Blackford	Boone. Brown. Garoli. Cass.	Clay. Clinton. Crawford. Daviess. Dearborn.	Decatur. Dekab Delawre Duboss Elkhart.	Fayette Floyd Foundain Frankin Fulton	Gibson Graut Green Hamilton Hancock

50 66 86 20 20 20 20 20 20 20 20 20 20 20 20 20	271 209 209 209 209 209	1,336 304 315	24 200 184 29	94	452	13 70 149	62 .58
288	63 263 35 179	203 661 16 118 99	71 752	2,401 1 4 34	13	64	66 11
13		1,173	151		442		
4 13		1,907 1,446	211	·	400	. 61	11
91 120 120	125 54 20 132 118		33 30 10 10	78 127 19 68	13 26 4 152 34	633 68 89 89	39 61 217 54 41
152 37 22 23	88 88 1123 122	15 9 11 15	848 010 103 103	312 126 47 47	21 16 148 17	9 663 166 303	01 8 8 12 1
505	2,807 2,807 214	2	23	30	805 6 59	240	233 304 85
408	8 2,715 237	12 2		24.	598	140	27 83 301 136
40 48	3 20 314	36 81 84 14	167 25 18 35	184 19	21 21 6	96.14	372
∞ 44°C	16 71 1 6	28 10 8 24	291 14 25 30 43	30 30 10 20 20 20 20 20 20 20 20 20 20 20 20 20	25	32	4 21 22
20 11 2	16 5 1 235	28 16 12 12	339 112 80 30	6 17 15 15	94	29	L9L4
· 111.0%	17 10 10 2	255	185 11 16 38 38	11 30 16 7 7	4	14090	
213 98 80 83 486	400 404 404 308	279 75 845 42 773	90 120 120 868 736	550 118 368 35 292	221 221 27 279 13	64 26 124 157	137 24 214 312 35
592 68 165 140 370	417 286 91 476 242	81 1, 198 65 1,053	345 215 199 801 590	479 1,141 285 137 249	322 322 33 33	313 97 133 14	24 2571 351 24
11.2	392 256 256	135	72. 1.25.	17 20 20	5 50	1 6 299	-100
- 2 4 - 1 %	.382	521 7 6 6	39 58 63 	38	113 47 6 6	25 52	3 10
Harrison Headricks. Henry Howard Huntington	Jackson. Jasper. Jay Jerson. Jennings.	Johnson Knox Kosciusko Lagrange Lake	Laporte Lawrence Madison Marion Marshall	Martin Mismi Monroe Montgomery Morgan.	Newton Noble Ohio Orange	Parke Perry Pike. Porter Posey.	Pulaski Putnam Randolph Ripley Rushey

TABLE No. VI-ACRÉAGE IN CROPS-Continued G. Seed, Truck, Small Fruit and Other Crops Harvested

ther	1919	425 1,215 90	69 33	6 20 14	351	0
All Other	1920	245 673 179	29		42 42	583
Mint	1919	3,696	# ::::			
W	1920	4,216	eo :			
Sorghum Cane for Syrup	1919	33 11 23 88 88 109	6 23 59	2 43 39	48	6 116 17
Sorghun for Sy	1920	21 12 75 109 200	81 72 6	2 65 65	88 12 234	6
Tobacco	1919	5 67 20 3,572 21	3, 230	12	3,613	
Toba	1920	62 2,962 23	2,971		1,887	6
Other Small Fruits	1919	251 23 1 1 40	26 60	4 65 51	93 13 72 72 146	3
All Other Small Fruits	1920	90 115 6 119	24 8 84	55.	49	10
erries	1919	110 17 2 27 57	6 7 18	26	114 42 14 67	, no n
Strawberries	1920	67 1 12 4	31	- 11	55 27 1 27 27	7 1 1 20 20
r Truck ps	1919	876 586 115 47 310	117 40 372 371	189	1,149	72 177 138 171
All Other Truck Crops	1920	498 572 84 84 234 1,070	84 93 263 282	235	1,930 53 514 54	69 92 479 319
Cantaloupe	1919	116	57 5 19	67	87	9
Canta	1920	47 10 1 2 170	. 2 2 2 27		306	2 5
County		St. Joseph Scott. Shelby Spencer Starke.	Steuben Sullivan Switzerland Tippecanoe	Tipton Union. Vanderburgh. Vermillion	Vigo. Wabash. Warren. Warrick.	Wayne Wells White Whitey

85.971 6161 Other

882

All

2, 262 9, 384 12 67

TABLE No. VII—TOTAL ACREAGE IN CROPS AND ACREAGE DUPLICATED

1920 53. 109,863 1,985 16 1,427 414 581 Corn Grazed or Hogged Off 620 500 765 2,015 1,074 3,012 3,013 251 38 1,762 100 321 73 1,215 959 4,198 293 227 1919 103, 702 1,655 852 640 4, 164 2, 116 1,039 1,579 3,061 119 116 965 965 255 732 1920 851 574 579 1,407 994 2333, 1841,633 ACREAGE INCLUDED WITH OTHER CROPS 324, 171 1919 2,894 4,139 2,794 5,337 646 3,770 961 2,823 4,927 5,308 1,683 4,017 1,691 2,261 2,417 3,852 2,763 5,284 2,105 6,415 864 1,096 2,319 1,218 2,962 1,944 5,228 3,557 7,085 1,938 Corn Cut for Silage 292,421 2,060 3,510 3,709 580 3,354 464 2,885 4,695 4,100 4,044 4,985 6,746 6,682 6,683 846 1,137 2,338 2,077 2,809 1,434 3,697 3,204 6,002 1,987 1920 526 Oats Cut Green for Hay 1919 33.46.95 393 10 272 158 158 377 575 059 393 948 29 25,940 250 64 13 1920 397 997 181 209 55 263 80 85 156 75 439 16 556 65 268 322 340 340 340 340 238 440 077 077 655 17,597 9 107 1,381 14 Cow Peas and Soy Beans Acreage Included With Other Crops 1919 884 47 47 52 52 88 88 471 112 67 107 122 46 56 166 689 884 384 443 15,300 1920 55 55 55 55 54 55 55 46 46 14 14 222 297 31 31 203 115,4391919 1,730 129 1,825 2,945 235 2,669 125 452 128 689 1,146 758 5,221 3,371 Seed Clover 259,5891920 3,634 6,698 4,056 456 293 3,937 290 1,994 82 2,580 5,496 2,230 6,439 6,117 3,587 51 2,527 5,302 259 1,116 358 2,922 1,557 6,375 2,445 4,386 2,024 2,479 3,276 12,748,193 765 504 731 102 555 519 787 882 433 148 676 325 417 384 547 657 572 417 134 008 102 686 393 393 551 550 560 421 553 Total Land in Crops 1919 FARM ACREAGE 146, 254, 156, 207, 62. 37, 37, 64, 94, 855, 65, 31, 28288 35, 136, 135, 201, 152, 166, 12,007,154 114, 931 174, 758 67, 524 142, 160 82, 088 132, 780 135, 033 152, 449 128, 332 156, 093 464 287 221 346 610 296 744 387 908 754 819 794 284 923 523 540 744 367 000 030 1920 246, 246, 204, 61, 34, 34, 58, 76, 159 162 160 170 170 30,2,3,3 Delaware Dubois Elkhart Floyd Fountain Fayette..... Boone Clay Clinton Crawford Daviess Dearborn Benton Blackford Decatur..... COUNTY Hamilton Hancock Carroll Allen. Bartholomew.... Dekalb.... State Totals. Franklin.... Gibson.... Grant Greene....

Cass... Clark.

TABLE No. VII—TOTAL ACREAGE IN CROPS AND ACREAGE DUPLICATED—Continued

Acreage Included With Other Crops

ACREAGE INCLUDED WITH OTHER CROPS	and Oats Cut Green Corn Cut for Corn Grazed or All Other os Silage Hogged Off All Other	1919 1920 1919 1920 1919 1920 1919 1920 1919 1919	115 79 134 2,838 2,098 57 144 7 98 126 634 1,590 6,301 4,433 3,388 3,336 81 21 59 4,031 3,124 2,895 3,117 261 40 377 66 1,752 2,984 3,729 1,138 40 83 203 49 2,958 3,420 3,654 3,015 1137	211 399 297 3,732 5,514 144 160 673 518 207 3,173 6,966 1,470 673 518 257 21 20 75 1,474 3,005 1,434 972 96 75 75 1,474 3,005 1,434 972 96 75 75 1,474 3,005 1,434 972 75 75 1,474 2,507 1,444 128 36 1,434 972 75 75 1,474 1,434 972 75 1,41 22 75 1,41 22 75 1,41 22 75 1,41 22 1,41 22 1,41 22 96 1,51 30 3,50	55 131 391 4,367 3,995 624 219 5,408 5,980 126 113 130 2,826 3,957 1,400 1,153 5,408 5,980 99 85 77 4,562 4,944 1,186 1,490 30 91 10 184 3,679 4,963 1,564 1,86 1,89 11 16 184 9,633 1,504 1,96 18 6 11 16 13,747 11,995 80 166 8 483	80 265 222 269 2117 5,863 219 5,863 219 679 1311 4,698 249 372 289 2,117 5,863 219 574 1,311 4,698 249 372 281 5,792 4,451 3,048 6,517 1,7291 144 431 480 5,895 6,191 681 520 148 68 8 6,191 681 520 148 8	94 474 305 1,427 1,969 104 156 686 2,940 109 118 76 3,495 2,993 2,191 1,929 60 315 227 286 765 2,061 3,744 187 350 41 1,240 227 285 2,251 2,796 8,541 3,643 41 1,240 20 1,436 695 3,392 4,498 792 684 195 1,500	3 42 2,662 2,057 890 924 1,407 178 215 39 4,993 4,548 1,873 1,434 9 2 2 129 98 2,799 3,91 308 388 12 269
	Cow Peas an Soy Beans	9 1920	280 280 34 31 393 34 71	202 202 203 4 4 4 4 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1105 88 337 22 27 27 27	28 8 8 11 769 9 63 9 63 9 63 9 9 11 342 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	38 11 12 14 18 18 18 18 18	89 378 211 426 25
	Clover Seed	1920 1919	1,832 1,820 4,534 1,498 4,235 1,016 2,824 3,381 6,647 4,663	2, 489 2, 357 87 171 3, 590 942 253 58	3,826 841 2,394 1,438 10,696 5,582 8,830 6,852 45 140	762 503 1,136 216 1,974 811 2,844 606 6,453 2,681	748 634 7,361 2,801 797 71 2,591 1,996 5,736 1,818	15, 760 2, 378 694 426
REAGE	l in Crops	1919	106, 954 165, 058 153, 687 126, 567 148, 526	167,876 219,611 153,041 89,162 97,151	136,253 223,376 201,453 146,683 159,917	241,603 94,359 183,067 145,870 167,206	64, 828 133, 436 79, 804 204, 451 138, 025	154, 394 149, 298 20, 127 80, 037
FARM ACREAGE	Total Land in Crops	1920	96,866 152,978 157,798 123,961 155,767	127, 206 199, 126 151, 561 87, 208 86, 497	141, 628 - 198, 002 181, 683 130, 149 158, 606	219, 549 114, 359 176, 373 132, 758 152, 981	59,085 134,954 71,781 199,022 122,241	147, 419 144, 039 19, 384 70, 159
	COUNTY		Harrison. Hendricks Henry. Henry Hunington	Jackson Jasper Jay Jennings	Johnson Knox. Kosciusko Lagrange Lake.	Laporte. Lawrence Madison. Marion. Marshall.	Martin Miami Monroe Montgomery	Newton Noble Ohio Orence

	101010	a decimal a	- m .1010	.00.10	07 .	10 m 100
625	25 335 746 13	1,704	718	18 25	12	753
12 742 1,207 1,466	237 106	45 29 37 19	1,114 1,276 2 2	113	325	22 644 1,265
1,232 10 9 443 980	561 1,346 3,080 3,27 3,276	245 105 1,473 287 168	1,503 1,154 1,232 2,065	1,335 276 1,925 270	1,308 922 385 385	4,002 2,759 1,034
2,040 6 242 476 806	472 1,372 1,949 75 2,533	165 91 1,029 152 101	1,463 548 1,509 3,322	1,053 58 388 351	1,571 810 229 342	3, 679 1, 881 1, 886 1, 007
4, 431 411 2, 024 10, 111 1, 560	3,444 3,311 4,492 3,199 1,618	7,056 1,970 2,584 1,464 3,765	2,352 4,987 2,024 4,790 2,270	2, 205 2, 205 4, 500	5,296 2,877 4,422 1,184	3,055 4,818 3,390 2,698
2,626 209 814 9,200 1,014	3,988 3,662 4,078 3,846 2,129	5,353 2,091 3,029 1,709 2,740	3,484 2,170 1,343 3,470 2,597	960 1,473 1,495 2,247	4,061 2,066 3,629	3,427 1,729 3,298 2,796
105 47 437 301 57	493 1,028 613 29 531	387 170 542 66 1,246	170 557 16 59 68	. 94 120 85 1,028	95 407 350	343 135 83 49
463 792 88 88	387 1,164. 482 67 350	167 261 392 150 1,027	127 644 111 180	65 170 136 829	69 30 527 224	487 11 104 19
174 300 2 57 165	905 148 457 32	94 · 13 324 32 219	79 191 134	191 124 238.	89 37 112 14	399 657 619 76
256 137 42 111 281	541 103 317 47 213	287 19 380 137 32	119	58 54 184	207 25 360 288	289 303 119 37
2, 647 150 219 533	446 632 2,624 162 1,248	986 42 2,574 706 35	703 303 1,044 1,568	61 250 271 1,295	2,039 218 778 857	1,903 · 210 4,391
2, 139 2, 980 619 698 3, 924	1,056 3,206 6,497 1,345 3,387	3,123 162 6,497 1,504	5,745 .850 2,333 2,135	283 757 342 550	6, 473 620 1, 668 1, 716	3,056 2,176 1,047 8,319
139, 515 79, 140 93, 884 157, 939 169, 181	158, 102 154, 043 191, 147 136, 241 158, 358	168,470 56,507 180,647 134,858 104,697	105,938 155,788 49,781 223,801 117,648	64,717 87,330 111,195 164,733	156, 943 161, 368 132, 188 128, 108	146, 140 149, 489 218, 525 122, 874
121,524 68,866 74,913 146,848 154,435	146,881 142,987 182,966 130,535 179,742	43,572 183,857 118,606 82,109	95,119 135,194 45,353 211,338 113,279	61, 139 82, 573 84, 335 144, 654	168,850 149,390 108,553 99,388	139,878 136,074 227,074 114,637
Parke Perry Pike Pike Porey	Pulaski Putnam Randolph Ripley Rush	St. Joseph Scott Shelby Spender Starke	Steuben Sullivan Switzerland Tippeanoe. Tipton	Union. Vanderburgh. Vermillion. Vigo.	Wabash Warren Warinek Washington	Wayne. Wells. White

TABLE No. VIII-ORCHARD TREES AND OTHER FARM STATISTICS

	1	- 1							
he Farm	Нау	1919	.77	.64 .64 .68 .73	77. 88. 88. 88.	.67 .59 .83 .87	.76 .73 .94	.89 .70 .79 .77	.84 .77 .76 .82
sed on th	H	1920	8.	.73 .90 .72	.75 .93 .76 .85	78 87 80 87 74	85.17.7.19. 82.17.7.19.	92 . 77	.75 .75 .75 .76
d and U	Oats	1919	.70	.65 .65 .65 .65	.56 .56 .67		.69 .81 .67 .91	.87 .56 .47 .77	.66 .66 .69 .63
Produce	Oa	1920	.73	.70 .56 .78 .71	. 57 . 90 . 51 . 67 . 88	95.95.95.90	. 76 . 80 . 69 . 82 . 82	.91 .86 .59	. 55 . 55 . 55 . 55 . 55
Percent of Crops Produced and Used on the Farm	Corn	1919	08.	.81 .80 .85 .84	84 95 79 82 90	.78 .92 .84 .86	.89 .89 .78 .79	91 69 89 77	48.8.8.8.9. 0.8.0.0.7.
Percent	ర	1920	. 80	48: 68: 14: 88:	93	.82 .76 .91 .76	.89 .75 .89 .81	98.2.5.6.8.	£5.55 4.55 7.77
	l II	1919 Number	192, 679	4, 200 4, 728 1, 405 1, 773 755	$\begin{array}{c} 2,273\\ 688\\ 1,601\\ 2,090\\ 2,118 \end{array}$	2,037 2,865 1,805 1,689 4,515	1,062 2,776 2,902 2,970 5,979	1,098 2,478 2,159 1,718 1,998	2,139 2,058 3,504 2,609 2,435
	Plum	1920 Number	225,718	4,957 5,775 1,741 1,098 1,180	1,913 832 2,188 2,934 2,014	2,691 2,964 1,118 2,752 6,012	1,972 4,197 4,602 2,705 10,484	1,408 2,425 2,029 2,916 2,594	1,762 2,631 3,827 3,672 2,936
	ch	1919 Number	718, 239	1,669 3,789 8,458 3,069	3, 194 38, 492 2, 336 5, 202 16, 674	5, 201 3, 874 14, 820 10, 128 11, 719	2,077 3,945 4,227 3,426 6,036	1,280 18,491 3,697 4,704 1,930	6,571 2,010 19,757 3,814 6,491
	Peach	1920 Number	886, 515	4, 786 6, 698 9, 946 3, 952 1, 047	5,440 33,732 4,753 7,022 19,318	7,715 6,718 12,171 19,397 17,235	5,443 7,525 6,746 13.296 7,996	1,653 18,163 5,422 9,474 4,132	10, 142 3, 169 22, 957 8, 425 7, 866
ES	ry	1919 Number	430,482	6, 263 11, 703 3, 976 3, 350 1, 719	4, 309 2, 130 4, 263 5, 359 4, 116	3, 593 5, 693 1, 264 4, 447 4, 828	3,480 5,597 7,740 4,580 13,705	2, 226 6, 362 4, 426 3, 462 4, 383	3,890 6,028 7,285 8,045 4,932
FRUIT TREES	Cherry	1920 Number	464, 285	7,443 12,192 3,784 4,420 3,019	4,916 1,567 5,441 6,667 3,614	3,878 7,493 1,508 4,832 6,303	3,717 7,414 8,139 5,181 14,861	2,399 6,071 4,982 4,244 4,911	3,629 6,710 6,454 10,779 4,445
H	-	1919 Number	341,241 4	3, 890 8, 103 1, 481 1, 332 1, 332	3, 113 1,560 2,400 3,484 4,557	3, 199 3, 968 1, 997 3, 021 5, 003	1,856 3,073 6,891 6,379 7,938	1,417 6,314 2,636 1,977 2,324	7,452 5,429 5,402. 6,540 4,142
	Pear	1920 Number	375, 333 3	5,808 6,778 1,877 3,442 2,296	3, 107 1, 488 3, 176 4, 459 4, 046	3,848 4,600 1,712 3,018 6,419	3,000 3,076 8,059 4,044 12,982	1, 791 5, 515 2, 927 3, 669 2, 793	8, 702 5, 428 9, 395 8, 136 4, 163
	ele	1919 Number	2,918,627	44, 787 67, 132 29, 993 17, 006 9, 135	11,867 45,926 22,444 38,419 51,642	44,011 28,549 19,918 46,293 34,785	22, 118 30, 230 35, 082 37, 756 53, 640	16,663 32,147 17,945 31,374 34,564	32,552 26,418 65,562 38,136 33,044
	Apple	1920 Number	2,918,364	50, 298 71, 256 27, 875 12, 225 13, 912	14, 249 43, 749 26, 399 35, 736 41, 892	35,671 30,165 16,990 41,945 41,359	25, 405 37, 975 36, 188 40, 795 53, 253	17, 944 31, 609 17, 674 32, 761 29, 763	28, 797 27, 793 60, 769 42, 498 34, 664
	COUNTY		State Totals	Adams. Allen. Bartholomew. Barton. Blackford.	Boone. Brown. Caaroll. Cass. Clark.	Clay. Clinton. Crawford. Davies. Dearborn.	Decatur Dekalb Delaware Dulaware Etkhart	Fayette. Floyd. Poundan. Franklin. Franklin.	Gibson Grant. Greene Hamilton Hancock

27.52	48. 17. 17. 49.	22.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.	. 89 . 89 . 60 . 88 . 88	1887,287	7. 17. 17. 17. 17. 17. 17. 17. 17.	.86 .86 .87 .72	.89 .73 .89
	80.50.00.00.00.00.00.00.00.00.00.00.00.00	. 70 . 87 . 89 . 75	76 84 74 88 88	.82 .81 .75 .75	73 76 89 89 87	.88 .92 .75 .77	27.7.2 80 80 90
08.7.96.52	. 28 . 58 . 70 . 70	. 73 . 70 . 79	833.27	777 533 79	. 45 . 79 . 82 . 82	868 87 78 87 87	173
.50		. 73 . 78 . 78 . 78	.887 .887 .888	889 899 899 8181	. 38.88.88 . 49.88.88	.87 .75 .73 .81	8.52333
8.3.2.2.2	.78 .95 .95	787 478 83 83 83 83	88. 18. 17. 18.			8.6.08.69	888838
.772	25. 25. 25. 25. 25. 25. 25. 25. 25. 25.		52.89.89.89	8.8.8.8.8	.86.92.88 .86.92.88		88.83 88.83 88.83 88.83 88.83
2,010 2,777 2,931 1,623 2,780	1,566 440 2,943 1,065 2,320	1,304 1,518 3,772 2,326 440	1,442 1,504 1,993 2,323 2,775	860 2, 618 2, 527 1, 537 3, 598	136 3,545 722 1,445 1,113	1,574 921 2,201 889 1,092	2,128 3,262 3,559 1,870
2,462 3,665 1,623 3,339	1,430 2,300 1,880 2,201	1,658 2,085 4,508 2,100 804	1,766 1,732 1,841 2,553 3,158	3,918 1,370 1,939 3,407	3,736 3,736 916 2,590 1,354	1,730 924 1,851 1,021 1,320	931 4,711 3,681 5,561 1,875
25, 979 4, 488 5, 712 3, 161 5, 472	14, 761 511 2, 124 15, 446 2, 261	6,622 6,849 8,953 2,491 1,638	12,520 32,078 2,420 3,618 5,905	3,580 4,855 74,301 2,955 39,363	480 7,904 1,689 29,057 8,126	3,326 9,977 7,943 1,946 4,985	2,617 14,385 2,619 6,212 1,940
29, 406 4, 883 8, 230 5, 020 5, 333	10,034 1,260 2,439 16,819 4,469	4, 208 38, 233 12, 717 3, 618 2, 409	9, 903 37, 637 2, 913 4, 930 8, 940	6,278 8,479 26,353 5,578 43,886	1,262 7,203 2,517 26,514 10,684	5,052 11,370 8,240 2,752 5,437	2,286 17,634 4,536 7,062 2,937
4,080 6,426 5,784 5,029 6,433	3, 449 1, 731 6, 252 2, 533 2, 603	2,890 4,155 9,431 4,716 3,537	6,873 3,671 5,980 9,157 6,816	2, 053 4, 429 4, 594 4, 220 4, 878	1,218 8,207 954 3,270 3,203	3,815 1,229 3,772 5,089 2,348	1,959 3,066 7,266 6,275 4,176
4,039 4,663 6,157 5,463 8,091	2,877 1,721 6,309 3,811 3,473	3, 902 4, 477 9, 690 4, 888 3, 663	11, 230 4, 139 6, 655 9, 973 7, 599	2, 199 6, 254 3, 879 4, 275 4, 798	1,405 6,979 1,121 2,841 2,748	5,054 1,423 5,441 5,609 2,682	2, 181 3, 237 6, 945 11, 415 3, 939
7,415 4,939 7,889 3,880 4,077	2,049 1,060 7,813 3,143 2,620	2,117 2,193 5,634 2,511 1,661	4,311 3,760 4,049 7,317 5,214	3, 273 2, 568 2, 505 3, 710	1,218 4,393 742 2,803 2,774	2,581 2,674 4,327 3,871 10,476	976 7,370 4,489 3,689
9,062 4,443 10,828 5,066 5,418	2, 153 1, 392 4, 563 3, 520 3, 392	2, 976 2, 223 6, 011 2, 820 2, 321	6,753 4,682 4,672 6,438 5,874	1, 120 3, 963 2, 900 3, 096 3, 807	1,348 4,184 966 2,590 1,951	3, 913 2, 529 1, 923 4, 760 11, 044	1,274 4,092 5,600 4,270 2,895
62, 793 23, 565 36, 729 28, 485 28, 418	25,093 17,308 42,063 37,316 32,153	32,024 36,087 46,049 19,601 16,574	40,263 49,339 27,353 28,561 45,164	38, 973 36, 562 44, 774 20, 273 45, 240	8,015 34,909 6,804 51,826 40,929	20,554 31,441 30,107 21,929 13,456	16, 629 42, 492 54, 652 57, 314 26, 898
62, 411 20, 208 49, 026 30, 064 34, 569	27,696 15,851 41,683 47,355 35,433	32,041 35,200 47,048 19,316 14,644	41,620 42,822 27,658 26,996 43,610	34, 740 35, 806 35, 644 17, 146 48, 049	11,004 30,553 7,510 51,004 97,501	20, 712 36, 653 28, 523 27, 926 10, 994	18, 680 33, 555 51, 678 48, 970 25, 450
Harrison. Hendricks Henty Honry Howard Huntington	Jackson. Jasper. Jasper. Jasper. Jasper. Jefferson. Jefferson.	Johnson Kriox. Koetiusko Lagrange. Lake	Laporte. Lawrence. Madison. Marion. Marshall.	Martin. Miami. Monroe. Montgonery.	Newton Noble Ohio Orange	Parke Perry Pirke. Porke. Posey	Pulaski. Putuam Randolph Riptey Rush.

TABLE No. VIII-ORCHARD TREES AND OTHER FARM STATISTICS-Continued

					FRUIT TREES	SES					Percent	Percent of Crops Produced and Used on the Farm	Produce	l and Us	ed on the	Farm
County	Apple	ole	Pear	-	Cherry	rry	Peach	ch	Plum	g	Corn	d.	Oats	50	Hay	,
	1920 Number	1919 Number	1920 Number	1919 Number	1920 Number	1919 Number	1920 Number	1919 Number	1920 Number	1919 Number	1920	1919	1920	1919	1920	1919
St. Joseph Scott Shelby Spencer Starke	35,815 18,473 23,729 28,811 15,823	41, 203 17, 505 27, 196 28, 086 17, 459	5,887 1,747 3,075 2,396 1,197	5, 147 1, 351 2, 503 2, 112 1, 186	7,802 2,986 4,794 3,376 1,787	7,197 2,262 4,363 2,976 2,019	5,049 11,161 3,631 8,553 1,907	4,109 7,884 1,805 6,089 1,299	1,973 1,348 2,510 1,595 809	1,993 1,286 2,041 2,852 695	.79 .91 .84 .99	.82 .70 .71 .71	27.2.6.28.	27.5 69 76 89 .88	92.88 93.88 93.88	82 82 72 72 72
Steuben Sullivan Switzerland Tippecanoe	19, 291 39, 390 30, 033 26, 766 29, 264	16, 295 45, 712 34, 328 28, 035 28, 066	3, 901 4, 904 1, 941 5, 784 4, 207	2,280 4,346 2,095 4,569 4,079	5,445 4,796 2,359 6,728 6,074	4, 238 7,051 2,709 6,264 4,781	6,892 10,449 12,763 5,011 5,458	3,410 7,706 7,610 2,648 1,714	3,630 3,373 1,665 2,217 1,770	2,046 5,681 1,495 2,129 1,225	.95 .97 .67 .81	94 173 174 117	.92 .92 .46 .43	16. 98. 98. 44. 45.	.89 .71 .69	.83 .61 .69 .70
Union Vanderburgh Vermillion Vigo	8,160 25,564 7,871 13,968	7,501 13,023 11,119 22,260	822 8,015 1,370 2,257	653 5,676 1,552 3,159	1,227 4,863 464 3,441	1,149 3,699 2,045 7,236	1,351 19,667 1,783 2,953	561 12,076 2,109 3,453	3,487 775 1,878	697 2,852 1,524 2,435	.83 .76 .53	90.34	.81 .94 .75	8.8.8.9.	.86 .84 .76	9.55.55
Wabash. Warren. Warriek. Washington.	35,809 5,822 32,459 66,274	31,120 9,084 34,714 44,080	4,092 653 3,741 4,539	3,381 866 4,109 5,399	6,772 1,333 4,910 6,073	5,380 1,832 4,031 5,682	6,770 1,355 17,333 32,641	3, 225 1, 850 13, 268 18, 882	3,042 639 2,975 3,016	2,094 766 2,587 2,472	.83 .50 .89 .87	. 79 . 95 . 89	.71 .37 .90	96.26 98. 85.	858.85	.80 .69 .82
Wayne Wells White Whitey	33,532 30,181 24,654 34,718	33,476 36,639 20,073 33,800	4,600 5,123 2,073 3,932	3, 630 4, 662 1, 272 3, 669	5, 147 5, 717 2, 004 7, 949	5,097 6,081 1,869 11,800	2, 631 2, 563 2, 073 6, 777	1, 227 2, 105 1, 282 5, 216	1,934 1,413 1,977 4,127	1,632 1,510 699 3,386	.92	.88 .77 .61	.63	.74 .60 .46 .75	.88 .61 .79 .79	.85 .69 .74 .81

TABLE No. VIII-OTHER FARM STATISTICS-Continued

1919				Number	Tons	80	· Number		Number	Tagn	•	Farms Number	
		1919	1920	1919	1920	1919	1921	1920	1921	1920	1921	1920	
5,879 11,211 3,416	10, 438, 701 1	11,071,241	32,034	37,807	207, 966	234, 131	34, 994	40,041	84,660	99, 402	12,826	10,663	
4,756	191,011 215,400 91,196 94,146 55,532	192, 684 219, 018 92, 822 97, 198 74, 282	366 241 359 250 133	415 511 627 262 297	1,316 3,395 828 181	2,859 3,966 1,078	67 426 290 425. 110	341 460 337 106	1,393 1,778 735 915 686	1,550 2,138 791 1,068	352 487 100 463 60	214 341 91 232 36	
7,700 1,602 3,777 5,754 4,366	179,725 53,496 106,048 130,997. 86,739	175, 990 56, 428 20, 047 1111, 149 98, 072	444 177 172 415 416	876 539 347 313 412	2,145 1,024 1,742 1,731 2,898	2,369 1,261 1,683 2,124 3,801	458 63 422 528 518	. 531 73 581 581 548	333 344 1,087 1,553 817	767 339 1,026 1,916 1,001	128 8 299 162 72	86 225 269 89	
2,009 3,012 1,720 3,494 1,686	89, 425 124, 384 83, 064 123, 792 106, 395	106,092 122,188 85,122 133,753 103,265	540 589 244 1,441 108	709 261 152 918 157	1,577 2,335 1,453 2,623 1,781	2,012 3,154 2,027 1,550 1,828	182 500 306 310 395	204 548 280 393 341	1,212 800 1,112 1,278	1, 141 1, 433 856 1, 256 1, 278	325 21 147 59	86 164 13 87 51	
2,820 13,396 9,596 1,473 8,121	106, 143 164, 249 173, 494 124, 626 157, 157	91,557 156,457 165,320 134,577 146,765	215 190 460 244 155	146 106 520 191 234	5,409 2,349 1,639 11,112 1,621	5,786 3,935 1,922 4,180 2,732	477 403 732 287 832	437 419 805 302 1,177	731 1,572 1,272 681 1,593	741 1,484 1,439 705 1,737	177 200 187 75 84	95 118 159 60 115	
2,641 270 5,827 4,726 8,421	54,810 39,589 85,183 123,656 126,840	56, 324 36, 436 107, 142 119, 666 122, 957	103 8 370 126 404	243 127 260 66 235	3,086 1,252 1,008 4,261 639	3.068 1,496 4,087 798	101 130 286 258 327	131 156 381 231 345	465 275 706 861 1, 184	484 462 792 982 1,390	59 182 182 122	39 17 132 70 46	
4,355 9,541 5,151 5,746 6,048	108, 956 196, 848 165, 899 50, 188 105, 977	128, 678 162, 092 . 182, 451 149, 135 109, 332	420 379, 687 205 395	646 618 1,176 261 486	2,370 1,674 2,235 2,332 2,934	2, 131 2, 131 2, 200 3, 454	186 475 371 694 228	300 623 469 916 260	1,053 1,731 1,068 461 562	1,160 1,747 1,210 1,210 764	99 121 223 119	98 151 100 194 105	
The second secon	1, 686 1, 686 1, 686 1, 686 1, 686 1, 121 1,	123.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.	123, 792 106, 395 106, 343 106, 343 106, 343 1124, 626 134, 165 124, 626 134, 165 134, 165 134, 165 134, 165 134, 165 146, 39 128, 589 128, 589 1108, 956 1108, 956 1108, 986 1108, 986 11	123, 709 106, 395 106, 395 106, 395 106, 395 106, 424 106, 445 173, 494 166, 457 177, 494 167, 167 177, 167 177, 167 187, 187 187, 187 187, 187 187, 187 187, 187 186, 484 1128, 646 1128, 647 1128, 647 1128, 648 1129, 647 1120, 684 1120, 68	123, 753 1,444 1,23, 753 1,444 1,23, 753 1,444 1,64, 249 165, 320 1,444 1,64, 249 1,65, 320 1,46, 1,46 1,46, 1,46 1,46, 1,46 1,46, 1,46 1,46, 1,46 1,46, 1,46 1,46, 1,46 1,46, 1,46 1,46, 1,46 1,46, 1,46 1,46, 1,46 1,	06, 395 08, 265 1, 444 105, 237, 729 183, 753 1, 444 106, 395 106, 145 106, 145 106, 145 106, 145 106, 145 106, 145 106, 145 106, 165, 320 124, 626 134, 577 244 101 157, 167 146, 765 128, 639 136, 436 136, 646 128, 656 119, 666 126, 840 122, 957 404 235 126, 849 122, 957 404 235 108, 366 128, 656 126, 849 162, 092 161, 848 162, 092 161, 848 162, 092 161, 848 162, 092 161, 848 162, 092 161, 848 162, 092 161, 848 162, 092 161, 848 162, 092 161, 848 162, 092 161, 849 162, 092 16	123, 792 133, 753 1,441 918 1,455 106, 395 103, 265 108, 365 106, 395 106, 395 106, 349 157 1,781 106, 149 157 1,781 106, 149 165, 320 124, 620 163, 400 163, 400 164, 400 165, 400 164, 400 165, 400 167, 167 166, 467 166, 467 167, 167 167 167 167 167 167 167 167 167 167 167	123, 792 133, 753 1,441 112 1,452 1,455 1,650 1,451 1,528 1,638 1,638	123, 704 35, 712 1,441 1,12 1,425 2,027 306 106, 395 103, 265 1,441 1,12 1,781 1,828 395 106, 143 16, 1441 1,12 1,781 1,828 395 106, 144 16, 106 1,781 1,828 395 1,784 1,784 1,784 1,784 1,784 1,828 3,935 1,784 1,784 1,784 1,828 1,838 1	123, 722 33, 752 244 102 455 202 300 2	105, 395, 305, 312, 32, 441 152, 123, 792 1,433 1,431 1,432 1,503 310 280 1,112 106, 385 103, 265 1,68 1,57 1,583 395 341 1,128 106, 143 91, 557 215 146 5,499 5,786 477 497 1,278 116, 149 16, 320 16, 52 16, 383 1,91 1,572 1,273 124, 494 165, 320 16, 52 16, 383 1,81 1,72 1,72 124, 626 134, 577 244 191 11,112 4,180 287 805 1,27 157, 157 146, 765 156 234 1,621 2,732 805 1,77 1,578 157, 157 146 1,102 2,732 1,486 180 1,77 1,578 157, 157 148 1,80 2,80 1,177 1,588 1,177 1,588 157, 158 119 1,178 1,232 1,486 130<	105, 185, 172, 185, 172, 185, 185, 185, 185, 185, 185, 185, 185	106, 143 7,122 1,441 1,122 1,435 1,507 310 280 866 21 106, 385 108, 265 1,441 157 1,581 1,583 395 341 1,278 1,276 59 106, 143 91, 255 1,981 1,672 1,483 1,777 1,481 200 106, 143 91, 557 215 146 5,409 5,786 477 437 731 741 177 164, 149 165, 320 460 5,786 477 437 732 1,439 200 167, 157 146, 765 140 1,172 4,180 287 392 681 705 75 75 167, 157 146, 765 156 1,161 4,180 287 1,177 1,439 176 75 1439 176 75 1439 176 1439 176 1439 176 1439 176 1439 176 1439 176 1439

TABLE No. VIII-OTHER FARM STATISTICS-Continued

rs on ms, iber	1920	67 152 139 154 231	97 151 138 58 42	150 190 87 80 275	222 71 144 123 89	42 122 36 210 126	99 4 54 61
Tractors on Farms, Number	1921	102 182 146 185 289	154 166 136 87 46	149 168 67 72 172	247 171 183 369 88	57 143 31 229 148	, 127 118 118 60 60 27
Cream Separators on Farms, Number	1920	960 680 983 981 1,884	1,320 1,860 1,154 1,154	704 736 2,401 1,170 833	1,540 758 1,624 653 1,859	1,082 901 1,089 1,089	1,967 281 885 738
Cream S on F Nur	1921	1, 125 517 668 944 1, 512	856 972 1,594 1,116 1,002	632 736 1,997 962 409	1,379 687 1,338 589 1,804	1,035 727 964 670	1,342 332 825
Silos on Farms Number	1920	346 705 462 325 422	477 603 381 298 364	465 455 654 625 1,049	938 327 924 726 791	228 323 323 523 523 523 523 523 523 523 523	198 529 66 403 185
Silos on Fa	1921	350 622 461 233 466	618 514 290 356 309	520 398 570 672 758	804 250 689 614 759	175 422 273 354 414	203 445 68 328 141
Fertilizers Purchased, Tons	1919	5,212 4,056 3,436 967 1,862	2,311 3,053 1,821 3,163 3,940	4,355 1,395 2,550 1,549 1,960	2,660 2,820 2,820 3,688 3,071	1,130 2,169 2,259 1,648 3,045	1,639 1,984 87 3,001 1,812
Ferti Purch To	1920	4, 193 3, 080 2, 901 733 1, 044	1,839 3,464 2,939 3,196 2,398	5,072 2,290 1,027 830 2,059	3,034 6,453 2,569 3,085 1,522	1,037 1,593 1,981 1,522 2,629	2,824 1,132 112 2,535 1,201
Colonies of Bees Number	1919	171 410 170 187 234	437 673 431 310 314	302 877 371 355 847	579 357 880 445 504	165 304 716 356 508	403 298 53 369 368
Colonies	1920	120 245 417 295 367	164 663 434 190 307	372 506 423 386 691	983 317 835 841 721	100 231 295 336 325	491 579 19 90 153
Hens	1919	154, 707 149, 591 139, 792 135, 387 142, 442	115,868 112,566 158,328 114,526 112,148	88,823 134,176 238,006 135,967 97,000	120,461 94,185 160,557 97,836 184,812	90,558 123,536 93,733 166,139 142,610	61, 173 159, 590 16, 877 123, 846 101, 652
Laying Hens Number	1920	143, 280 130, 936 144, 157 178, 583 168, 167	140,863 93,679 154,541 102,832 112,353	93,523 127,321 220,930 125,269 88,848	107,680 93,759 169,718 91,390 174,336	85,895 137,418 78,929 151,337 136,297	64,774 114,077 21,223 116,538 83,545
heared	1919	2, 462 6, 437 6, 094 2, 677 6, 581	1,485 2,638 11,618 3,548 2,160	2,725 1,617 14,077 17,145 270	5,045 3,878 3,228 2,275 9,559	2,392 2,969 3,228 19,898 4,397	1,692 13,307 1,462 1,985 6,744
Sheep Sheared Number	1920	2,662 6,464 5,267 7,464	866 1,666 8,770 6,348 2,532	3,415 1,472 15,562 14,892 396	4,539 4,291 3,407 2,492 16,815	2,335 2,473 3,060 10,814 3,417	1,719 12,549 1,519 1,718 5,901
COUNTY		Harrison Hendridss Hendridss Heny Hony Huntington	Jackson. Jasper Jay. Jefferson. Jennings.	Johnson Knox Kostusko Lagrange Lake	Laporte Lawrence Madison Marion Marshall	Martin. Miami. Monroe. Montgomery.	Newton Noble Oblio Orange

120 30 183 108	53 95 174 72 111	143 27 128 48 111	208 208 50 234 80	57 65 116 147	175 179 55 70	118 364 130 125
103 46 36 179 151	85 134 162 97 128	169 39 163 109 85	55 134 40 227 116	57 72 103	272 229 59 84	137 233 238 91
784 727 659 872 671	1, 182 863 1, 952 2, 067 827	1,211 476 1,218 931 861	1,163 1,023 1,304 1,192 601	458 562 464 721	1,987 779 927 1,068	1,165 1,825 1,180 1,536
736 646 411 729 523	1,000 644 1,689 1,646 775	1,059 418 914 831 557	1,028 708 964 859 613	415 378 219 403	1,492 523 763 1,050	1,093 1,351 1,156 1,458
495 49 220 1,003	336 336 590 543 250	747 246 393 205 500	391 541 261 537 . 274	105 228 261 481	606 329 366 749	476 547 358 366
381 27 101 979 119	371 354 458 493 186	665 241 365 200 315	404 267 201 398 328	115 178 119 313	452 221 289 476	450 210 361 339
1,442 2,514 1,066 3,289 1,221	2,367 2,756 4,493 6,715 7,169	9, 180 1, 481 4, 729 2, 817 1, 013	1,608 2,159 738 1,377 569	3,465 2,010 351 669	3,300 352 1,923 4,062	5,473 1,000 1,282 1,766
1,810 2,025 846 2,183 808	2,015 3,056 3,692 6,267 5,331	5,911 1,838 4,070 1,906 1,769	1,036 453 777 896 647	2,844 1,133 696 645	2,096 476 1,383 4,806	5,001 573 1,252 835
387 141 631 104 432	330 607 786 242 536	362 179 263 440 415	238 1,318 226 225 70	99 480 436 416	387 186 752 602	410 840 424 338
402 428 329 304	271 474 650 277 430	417 85 196 172 929	165 958 224 130	84 430 136 402	187 54 436 549	233 281 358 259
99,471 95,840 111,520 89,088 84,252	101,465 151,295 215,047 224,952 123,883	108,739 162,555 149,523 125,630 72,500	135,485 143,905 101,232 102,024 102,174	50,790 68,110 63,707 62,135	150,471 69,697 109,775 126,600	104,313 181,375 147,877 112,390
101, 163 84, 215 93, 077 85, 799 54, 524	93,799 163,314 229,361 202,197 12,474	133, 409 50, 249 128, 701 90, 089 60, 658	126, 843 134, 282 58, 158 85, 068 88, 343	47, 276 54, 892 26, 275 86, 679	160,344 59,227 87,790 122,123	134, 389 161, 335 130, 476 133, 772
6, 403 1, 683 2, 917 1, 767 1, 676	5, 135 8, 249 6, 193 1, 772 4, 952	4,250 1,071 2,435 668 1,438	19,985 9,227 2,492 6,922 3,584	2,671 250 2,229 1,587	6,898 3,509 984 3,448	5,411 7,020 3,259 6,830
6, 130 1, 145 1, 759 3, 013 1, 778	4, 303 9, 792 5, 706 2, 231 4, 942	3,953 875 2,514 793 812	18,835 10,389 2,210 4,389 3,068	2,328 1,339 2,062	5,076 3,286 1,054 5,207	5, 225 4, 656 4, 118 5, 649
Parke. Perry. Pike. Prite. Posey.	Pulaski. Putnam Randolph Ripley Rush	St. Joseph Scott. Shelby Spencer Starke	Steuben. Sullivan. Switzerland Tippecanoe.	Union. Vanderburgh. Vermillion. Vigo	Wabash Warren Warrick Washington	Wayne Wells. White. Whitley.

TABLE No. IX-LIVE STOCK ON FARMS, JANUARY 1-HORSES

1			1920	420	202 122 706 24 24	321 337 309 229 263	394 641 172 714	665 48 235 343 343	399 12 839 37 292
		Females	150	2 38,	24912	-i	8-1-8-110	a a a a a a	
	GRADE	K	1921	34,622	192 264 646 921 22	844 444 516 238 335	598 331 149 721 45	569 202 458 698	170 3 584 136 208
OSES	GR	sə.	1920	1,425	8 - 51 - 4	9 2 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	118	0 0 0 0 0 0 0 0	40017114
IG PURE		Sires	1921	2,033	51 13	946101	180° 1000	~r∞oo	© 00 10 00 -1
FOR BREEDING PURPOSES		ales	1920	2,642	15 29 9	22 40 40 150	20 20 30	39 20 102 102	4 47.0
FOR E	BRED	Females	1921	2,227	26 122 8	21 11 77 4	172	15 29 66 101	1.48.
	PURE	es	1920	1,355	1141 ₀ 1	17 10 24 25	11.0	117 12 26 26	17-11
		Sires	1921	1,048	16 22 11 14 7	16 24 8		7 9 1 1 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	441
		Died from Disease (All Ages)	1920	9,387	85 104 120 214 214	93 102 134 134	134 140 8 97	155 87 124 94 132	49 10 128 138 133
		Died from Dis (All Ages)	1921	8,572	93 138 220 21 21	80 37 124 133 47	103 103 121 121 59	152 57 93 120 74	60 104 103
) v	2	Years Old and Over	1920	592,960	7,677 12,019 5,853 9,099 3,552	9, 119 2, 569 6, 936 7, 388 4, 701	6,049 8,765 3,362 6,496 4,488	5,461 6,816 8,445 4,720 8,783	3,422 2,140 7,227 5,277 6,278
TRPOSE	OTEL OBE	2 Years Old and Over	1921	544, 357	7,141 10,828 5,506 8,468 3,479	7,935 2,291 6,318 6,874 3,907	5,386 8,828 2,760 6,093 3,719	5,846 6,611 8,287 4,385 8,886	3,286 1,892 6,406 5,248 6,835
EOR ALL PURPOSES	ו חחש זי	ld and	1920	36,364	722 554 204 982 93	536 91 283 736 202	368 518 306 364 276	203 294 200 248	190 442 467 118 384
FO	2	1 Year Old and Under 2	1921	27, 496	370 335 234 693 77	509 101 249 580 109	239 368 214 309 643	173 128 355 275 429	93 16 266 127 303
		ler r Old	1920	26,005	421 364 178 555 92	521 77 197 390 92	266 375 73 354 172	135 143 525 312 384	110 20 278 92 257
		Under 1 Year Old	1921	19,436	252 189 188 362 66	246 64 170 286 102	225 219 85 293 127	160 97 269 232 239	72 23 227 160 172
	COUNTY			State Totals	Adams. Allen. Bartholomew. Benton. Blackford.	Boone, Brown. Garroll. Cass.	Clay Clinton Crawford Davress Dearborn	Decatur Detailb Delaware Dubois Elkhart.	Fayette. Floyd. Fourtain Franklin Fulton

875 1, 432 930 802 336	507 212 568 751 315	617 272 687 85 325	345 678 721 199 462	920 524 988 117 116	132 332 302 584 447	720 828 425 496	283 305 255 140
788 343 815 769 610	515 153 615 609 388	291 431 415 23	467 605 162 124 361	988 182 664 126 219	248 265 124 336 527	543 535 4 581 205	248 245 350 37 102
200 800 800 800 800	30 15 23 29	7 10 10 21	15 43 360 8		27 141 15 15	28 9	445
00 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	87 6 6 17	22.4.7.8.1	110019	631 10 3 11 3	132 9 9 8 16	21 6 16	
39 4 59 19	10 54 27 121	29 119 111 141	448 150 1242	28 13 167 42 24	3 46 50	22.2.2.4.9	1 1 2 2
282 282	17 16 46 36 36 56	932 24 26 26	24 13 26 32 16	36 99 7	တက္ အရာအရာရာ	66 8 50 8	22 2 170
200 200 200 200 200 200	. 258 258 258	18 124 111	14 7 7 22 29 13	22842	100 100 117	42 22 211	41.6.77
170	- 10 12 15 15	118811	72 0 41 82 I	74-88-821	122636	100000	40000
136 119 157 60 60 160	149 135 94 153	96 151 90 79 113	93 142 70 63 110	197 50 134 223 61	29 78 131 120	122 112 2 45 69	35 103 78 90
129 109 177 131	124 100 133 233 233	53 150 74 42 117	200 200 56 48 90	190 98 126 127 89	60 75 92 99 115	196 74 74 43 70	157 67 80 63 113
7,352 7,896 7,806 9,373 6,574	6, 246 8, 021 7, 443 6, 979 7, 541	4, 557 6,949 7,759 5,317 4,850	6,469 6,933 9,997 6,728 6,713	9,068 4,514 9,379 6,699 7,779	3,332 6,328 4,961 9,514 5,000	5,865 6,771 1,052 4,405 5,105	6,894 7,883 7,889 5,954
5,855 7,607 6,505 7,112 6,936	5,844 7,209 7,333 5,999 7,896	4,542 7,152 7,303 5,132 4,565	6,754 6,859 8,779 5,579 6,028	7,533 3,602 8,199 6,633 7,340	3, 172 5, 641 3, 597 8, 632 5, 479	5,524 6,086 959 4,665 4,213	5,889 3,330 3,971 6,967 3,509
388 487 412 791 476	275 424 361 343 338	456 631 385 145 268	437 372 611 615 410	914 210 752 679 511	139 380 253 429 406	367 614 36 279 474	525 223 177 329 116
368 255 308 333 768	257 275 275 289 265	166 761 302 114 316	269 205 326 357 467	872 339 499 194 262	180 282 159 329 329	260 308 23 163 214	242 176 146 562 461
305 323 355 324 343	282 282 283 283 283 283 283	233 470 274 213	215 258 424 454 416	914 210 485 562 248	153 266 200 327 238	286 373 29 183 276	332 223 184 224 93
252 253 250 263 263	203 217 244 215 183	154 253 244 106 256	272 240 256 256 264	250 223 375 175 225	156 206 310 321 219	226 204 138 178	299 189 196 89
Gibson Grant- Greene Hamiton Hancock	Harrison Hendricks Henry Howard Huttington	Jackson. Jasper Jay Jefferson Jemings.	Johnson. Knox. Kosciusko. Lagrange	Laporte. Lawrence. Madison. Marnon.	Martin Mismi Mouroe Motigonery Morgan	Newton Noble Oblio Orange	Parke Perry Pike. Porter Posey

TABLE No. IX-LIVE STOCK ON FARMS, JANUARY 1-HORSES-Continued

FOR ALL PURI 1 Under 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Years Old and Over 1920 11920 121 1920 1317 5,639 2317 5,639 2317 5,639 2317 5,639 2317 5,639 4,642 2317 5,939 1317 5,939 1317 5,939 1317 5,939 1317 5,939 14,642 2317 5,939 14,642 2317 5,939 14,642 2317 5,939 14,642 2317 5,939 14,642 1317 5,939 14,642 1317 5,939 14,642 1317 5,939 14,642 1317 5,939 14,630 14,6	Diod from Disease (All Ages) (All Ages) 1921 1920 19	1 1261 22 22 22 23 24 4 25 25 25 25 25 25 25 25 25 25 25 25 25		FOR Baren Fem Fem Fem Fem 1921 1921 14 14 18 18 18 18 18 18 18 1	ales 32 26 32 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Sir	POSES es Grad G	00 400100 1 001 804 80 80 H485 4004	Females 11 1920 11 1920 12 192
		PURPOSES 2 Years and O 1921 1921 1921 1,944 1,944 1,944 1,944 1,944 1,944 1,944 1,944 1,944 1,944 1,944 1,944 1,944 1,944 1,944 1,953 1,944 1,953 1,944 1,953 1	PURPOSES 2 Years Old and Over 1921 1921 1921 1920 7 5,618 6,992 7,744 7,756 7,744 7,756 7,744 7,790 7,746 7,791 7,791 7,746 7,791 7,746 7,817 7,464 7,817 8,612 8,632 8,638	PURPOSES 2 Years Old Over (141 Ages) (1921 1920 1920 1920	PURPOSES 2 Years Old Chair Disease and Over (All Ages) 1921 1920 1921 1920 1921 1920 1921 1921	PURPOSES PURPOSES 2 Years Old Died from Disease and Over (All Ages) 1921 1920 1922 1922 1922 1922 1922 1923 192	PURPOSES	PURPOSES PURPOSES 2 Years Old Died from Disease and Over (All Ages) 1921 1920 1921 1920 1921 1920 1921 1920 1921 1920 1921 1920 1921 1920 1921 1920 1921 1920 1921 1920 1921 1920 1921 1920 1921 1920 1921 1920 1921 1920 1921 1920 1921 1920 1921 1920 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1922 1923 192	PURPOSES	PURPOSES

TABLE No. X-LIVE STOCK ON FARMS, JANUARY 1-MULES

			/U- U	FERE	TIVE CR) ILEI OR	IING DEN	VICE	
		ales	1920	1,348	41	P0 0	2 80	2 2 4	10
	DE	Females	1921	1,505	===	19	20 20 11 11		214
OSES	GRADE	es.	1920	330	10.20	ಬಬಬ4ಗಾ	13.2	m	1 :202-1
IG PURF		Sires	1921	318	10	10	11 12 22 4	4 1	1 63
FOR BREEDING PURPOSES		Females	1920	334	27-1	61			
FOR 1	PURE BRED	Fem	1921	322	1000	e .	20 46 6	3	ကက
	PURE	Sires	1920	504	10 00 cu	∞-1467℃	\0.40£20	6-686	w 4400
		Sin	1921	512	H-1000	04646	24082	10-1-10-4	нююнф
		Died from Disease	1920	1,096	12 m	m	282	36	25.82.1
		Died fron	1921	1,130	16 31	11 18 10 10	111 55 31	23 36 9	22 - 2
Į,	2	Years Old and Over	1920	70,010	231 208 2,275 910 135	297 331 565 878 1,262	765 299 913 1,801 556	1,136 114 371 1,594 1,594	297 245 641 400 147
PITRPOSE	100 100	2 Years Ov	1921	69, 548	152 311 2,226 1,135	439 392 474 705 1,178	703 341 642 1,892 627	1,113 99 347 1,279	300 343 688 517 223
FOR ALL PURPOSES		Year Old and Under 2	1920	13, 396	47 44 185 265 23	158 70 100 173 240	149 105 236 573 36	250 111 60 171 40	82 34 319 67 161
H	4	1 Year Un	1921	14,060	262 262 253 253 58	, 91 123 123 210	176 75 481 491 61	328 44 239 42	25 4 192 78 44
		Under Year Old	1920	11,510	33 14 217 134 52	90 100 89 271 155	122 59 113 447 53	273 4 34 242 39	34 13 159 65 28
		Un 1 Yea	1921	12,868	23 211 211 213 28	142 95 61 68 146	141 84 214 416 44	274 4 50 159 47	22 8 62 62 41
	Comiene			State Totals	Adams. Allen. Bartholomew. Benton. Blackford.	Boone Brown. Carroll Cass.	Clay Clinton Crawford Daviess Dearborn	Decatur Dekalb Dekalb Delaware Dulosis Elkhart	Rayette Floyd Floyd Fountain Franklin Fulton

TABLE No. X-LIVE STOCK ON FARMS, JANUARY 1-MULES-Continued

		Females	1920	16 46 3	25 74 1	10	2 41 10	ଧଧର	421
	GRADE	Fem	1921	20 11 169	20	4 22	400-1	27.	96
OSES	GR	Sires	1920	13 12 2	9	ro : 64 ro	wrr 4	4100001	G-1404
IG PURE		Sir	1921	10 13 13	6 4	-01-01	698777	~ ⊕ ⇔ ⇔	200000
FOR BREEDING PURPOSES		Females	1920	13 1	486-	20.00	101101	GH 6	
FOR 1	PURE BRED	Fem	1921	7.2 4.61 1	10 to 00 to	18		67	16
	PURE	Sires	1920	12 22	111 9	12 2 4 0 1 4 1	рнонн	8 1 10 10 10 1	401200
		152	1921	13.82.7.7.83	0100146	32 1 11 19	10	11-10 01	20
		n Disease	1920	22 16 20 1	3 37 11 10	86 4 0 4	455 9	60000	14 8 16 11 64
		Died from Disease	1921	26 111 388 1	∞~≈~=	26 16 26 26 26	522	20 18 3 3	12 8 26 46 64
9	Ž.	2 Years Old and Over	1920	1,763 602 1,701 273 340	659 941 468 228 382	2, 994 330 193 680 698	853 3,012 313 189 80	315 1,502 382 757 148	895 333 989 885 771
TSOG GILD	UNION	2 Years Ov	1921	2,224 508 1,752 250 273	691 896 392 380 401	2,612 413 198 788 744	3,304 414 185 59	255 1,921 304 602 170	921 436 566 938 876
SHEAD ALL BURBOSES	י קיים	Old and der 2	1920	522 221 388 126 52	90 167 101 62 117	549 105 75 121 196	169 288 77 22 12	25 238 134 128 45	125 92 140 227 356
)a	3	1 Year Old and Under 2	1921	334 88 801 96 96	119 174 139 103 89	306 137 78 265 241	260 393 98 22	17 442 100 57 29	203 110 146 274 415
		Under Year Old	1920	324 257 421 90 45	78 170 77 56 58	390 79 75 113 190	164 354 70 31 12	22 212 137 55 46	146 68 161 221 281
		Un 1 Yea	1921	263 88 427 89 115	83 83 84 84	238 66 113 194 230	1,788 1,788 64 22 2	353 87 87 49 56	201 70 172 300 220
		COONEY		Gibson Grant Greene Hamiton Hancock	Harrison Hendricks Henry Howard Huntington	Jackson Jasper Jay Jefferson Jennings	Johnson. Knox. Kosciusko. Lagrange	Laporte. Lawrence: Madison Marion Marshall	Martin Miami Monroe Mottgomery Morgan

98	10	H ∞ 44	48	20 2 68 174	22	8 23	30 30 13 13
11.0	10 2777 5	28 7 17 17	15 co	50 2 1		26	17
22.00.0	18	100	4-1 20-1	10-1-0	-	. 53	4401-
.c. 651 4	014100 12-	r-100040	G004-	4	1623	810200	11 22 1
16	H01 : :00	# H	332	. :	40	4-	-
	60 4	12	E - C -	oo ea		6 9	
40-10-	122 - 428	451	12221	100 I	400	5 8 17 10	co
, , , , ,	r040 r0	28628	6 1 2 1 4	41	13	29 41 15	1010
64 .7.6	1 14 19 2 2 56	. 24 14 10 22	15 23 25	25 11 10 7	31.00	30 13	12
. ri & & & & & & & & & & & & & & & & & &	27 77 4 92	16400	25 25 40	17.22	23	27 25	10
376 308 120 844 581	788 1,097 1,306 4,365	269 1,083 269 694 424	213 650 308 2,042 212	1, 172 1, 172 312 671 204	323 2,787 382 1,261	419 869 2,743 1,081	461 214 561 224
418 239 123 918 400	865 990 1,133 89 3,234	233 957 285 901 685	184 487 318 2,155 149	70 1,099 262 704 190	316 2,831 235 1,558	544 677 2,471 1,195	386 275 741 322
123 64 11 290 135	214 178 189 14 224	351 39 100 135	239 74 74 238 21	223 61 56 42	26 30 116 268	94 75 349 396	79 57 152 68
173 96 277 116	215 176 247 10	37. 433 52 98 150	61 121 116 210 210	316 47 135 37	29 78 176 342	121 105 302 342	66 62 182 44
106 51 51 228 171	126 156 214 7	. 32 409 34 101 155	221 221 70 191 20	378 63 44 51	25 25 85 85	61 109 388 316	43 65 138 23
143 23 281 176	168 138 185 4 77	234 234 171 171 158	17 146 79 207	397 67 68 68 65	24 62 85 132	150 120 254 209	26 59 108 37
Newton Noble Ohio Orange	Parke Perry Pike Porter Posey	Pulaski Putnam Randolph Ripley . Rush	St. Joseph. Scott Shelby Spencer Starke.	Steuben. Sullivan. Switzerland Tippecanoe. Tipton.	Union Vanderbugh Vermillion Vigo	Wabash Warren Warriek Washington	Wayne Wells White White

TABLE No. XI-LIVE STOCK ON FARMS, JANUARY 1-BEEF CATTLE

		iles	1920	51,384	167 35 391 547 76	1,129 86 1,039 · 402 70	890 684 5 676 675	479 467 432 834 245	514 759 1,068
) E	Females	1921	55,618	163 83 664 708	1,153 53 1,263 74	1,000 763 24 358 41	222 636 540 634 634	276 476 225 790
OSES	GRADE	Sires	1920	4,355	25 25 25 25	67 41 49 15	92 23 3	16 44 115 36	31 22 10 23 29
G PURP		Si	1921	4,392	31 19 33 66	82 44 31 7	57 37 408 35	23 25 131 37	288
FOR BREEDING PURPOSES		ales	1920	10,912	234 234 80 268 47	115 123 156 86	131 222 79 79	17 110 110 71	116 94 59 42
FOR E	PURE BRED	Females	1921	11,523	268 35	164 75 299 135	273 12 162 26	34 146 274 73 226	35 118 58
	PURE	es	1920	3,266	25 61 16 178 11	70 222 101 52	16 71 29 29 24	922 242 212	37 14 10 16
		Sires	1921	3,441	885 90 85 85 85 85	17 8 132 79 4	32 42 6 14	22 22 24 43 43 43	22 22 13
		n Disease	1920	4,733	27 34 260 11	61 23 12 12 12	34 74 9	121 16 121 121 18	20 53 79 116
		Died from Disease	1921	4,147	81 64 47 92	11.8 32.2 22.2	049 142 144	85 16 37 109 2	20 53 91 145
	2	rs Old and Over	1920	250,855	2,046 3,614 2,712 5,502 426	2,384 260 3,879 3,885 2,097	1,928 3,647 537 2,446 605	4,528 1,603 3,014 2,171 1,594	1,366° 1,728 1,555 5,067
TEPOSE	OIL OUR	2 Years Old and Over	1921	210, 270	2,214 3,850 2,301 4,842 768	3,599 299 3,761 4,534 947	2,038 5,541 504 2,775 1,521	2,490 2,713 3,577 1,122	1,080 39 1,717 1,717 3,978
FOR ALL PITEPOSES	T TITLE W	Old and der 2	1920	151,242	1,492 4,026 1,486 3,420 812	2,517 490 2,236 2,672 789	1,113 2,995 2,470 2,470 288	2,151 1,564 2,098 1,576 1,627	1,015 47 1,447 1,801 2,144
Ē	3	1 Year Old and Under 2	1921	240,943	1,018 1,951 1,054 1,973 1,973	883 399 2,854 1,397 623	2,088 252 1,575	2,013 1,205 1,520 1,346 1,060	958 1 995 1,394 1,580
		Under Year Old	1920	110,405	1,129 1,681 758 1,907	1,269 650 2,521 1,887	1,386 2,162 3,925 464	1,310 942 1,430 1,498 1,498	1,241 1,241 1,440 1,124
	•	Un 1 Yes	1921	83,672	1,220 1,220 614 933 639	629 352 2,226 953 224	747 730 121 1,837 119	1,243 814 1,026 1,333 494	924 679 1,158 1,123
	Coverance	LINDO		State Totals	Adams. Allen. Bartholomew Benton. Blackford.	Boone. Brown. Caroll Cass. Clark.	Clay. Clinton Crawford Daviese Dearborn	Decatur Dekalb Dekaware Dubois Elkhart	Fayette Floyd Fountain Franklin Futton

1,537 1,561 380 661	101 355 608 962 222	1, 393 1, 393 938 58 272	2, 012 2, 012 272 542	336 100 809 46 1, 104	592 862 338 1,424 1,232	621 2,376 548 727	413 765 156 325
2, 076 596 423 304 784	159 424 605 975 3,527	1,156 448 186 752	327 457 1,437 1,218 243	413 291 2,055 226 1,147	635 645 222 736 787	1,044 1,881 5 266 550	298 21 986 93 969
29 104 75	942 42 96	30 449 24 22 22	26 458 39 35	. 81 81 6	36 30 14 63 53	17 48 45 48	83.159
100 58 73 73	19 60 109 49 155	15 48 40 25 22	20 20 20 24 25 25	24 27 29 58 58	253 9 26 38 49	67 49 4 57 29	23 10 13 13 13
287 154 86 107 204	245 245 126 344	97 233 149 64 64	46 111 210 207 111	57 33 311 74 163	56 130 58 113 57	736 127 97 20	255 255 255 21
292 155 176 395	11 422 272 110 404	138 334 92 83 40	76 56 195 167 156	42 87 107 124 115	70 164 99 135 219	453 175 83 42	77 11 423 423
102 29 29 65 65	30 74 93 93	49 69 30 25 20 20	14 19 96 58 17	16 14 57 6 6	18 60 35 18	157 62 3 20 .25	24 115 110 120
63 83 78 87 88	23 23 33 166	26 76 38 30 41	25 112 67 27	19 27 50 18 59	24 48 17 35 23	103 71 28 24	• 40 83 9 113
101 33 131 31 39	24 45 65 98 118	140 30 24 70	32 66 29 27	19 71 71 28	64 58 443 42	146 76 44 48	193 47 7 37
25. 16. 16. 16. 16. 16.	10 26 55 29 143	45224 2224 24224	30 50 17 30	33 49 41 10	378825	367 69 6 113	104 104 111 111 98
3,535 2,466 3,411 2,859 1,933	444 4,516 3,324 5,583	2,448 7,857 1,994 1,111 1,144	4,319 3,300 6,686 2,290 2,813	3, 938 3, 369 3, 709 2, 347 3, 434	2,117 2,888 1,797 6,980 2,260	6,321 5,862 339 1,629 1,557	4,749 1,267 1,811 1,370 3,065
3,399 2,180 3,372 1,726 2,393	228 3,682 2,311 2,022 6,187	1,331 6,604 1,682 1,072 2,886	4,311 2,871 3,662 1,649 2,021	1,552 3,940 2,774 2,450 2,145	1,795 1,918 1,029 3,794 1,847	4, 162 3, 661 70 915 991	2, 197 835 1, 961 1, 310 1, 309
1,989 1,880 2,075 2,156 1,759	241 1,969 1,914 1,596 2,378	1,301 3,109 1,543 634 1,062	1,604 2,331 4,198 2,074 1,471	1,188 1,673 2,109 1,278 2,602	1, 191 3, 055 960 2, 257 1, 906	3, 190 2, 629 1, 004 1, 072	875 1,610 1,446 614 143
1,173 1,182 1,262 1,678	11,307 1,564 1,345 3,178	1,080 2,291 1,049 907 655	829 680 2,440 1,279 630	797 1,199 1,482 2,568	1,928 2,188 778 1,915 1,318	2, 237 2, 093 71 729 1, 023	1,042 1,104 1,582 534 545
1,148 1,281 2,632 870 1,901	151 1,226 891 1,092 1,867	1,137 1,970 1,112 1,112 921 781	714 1,525 2,880 1,302 1,666	727 1,653 1,880 1,738 1,783	1,410 1,909 638 2,293 1,116	1,199 2,190 1,094 1,589	703 1,700 1,611 257
664 1,264 1,547 1,320 1,075	127 617 674 1,461 1,969	698 1,455 759 346 703	464 920 2,023 707 310	468 1,732 1,470 261 1,618	1, 636 1, 615 521 2, 352 1, 311	874 1,914 6 839 1,169	. 854 1,243 . 866 . 231 124
Gibson Grant. Greene Hamiton Hancock	Harrison Hendricks Henry Howard Huntington	Jackson. Jasper. Jay. Jefferson. Jennings	Johnson Knox Koseïusko Lagrange Lake	Laporte. Lawrence. Maricon. Marshall.	Martin Miami Monroe Montgomery Morgan	Newton. Noble. Ohio. Orange	Parke Perry Fike Poter Posey

TABLE No. XI-LIVE STOCK ON FARMS, JANUARY 1-BEEF CATTLE-Continued

1			j _ [12021	162 25 479 145 83	98 884 79 406 22	520 94 80 42	ಬಹಲ್ಲಿಕ	ರಿಷಣಣ
		Females	1920	1,191 1,032 389 301 301	91 241 8	9:881-34-2	50.004	1,206 1,206 52 896	812 162 1,375 980
	DE	Fen	1921	1,134 1,610 1,210 526 371	169 4 686 158 127	407 390 673 242 89	242 29 396 15	1,017 88 944	837 543 1,444 917
OSES	GRADE	88	1920	48 67 35 106	258 1 76 36	26 161 23 23 5	67 32 10 9	25 70 26 39	68 19 63 46
FOR BREEDING PURPOSES		Sires	1921	73 51 35 230	36	54 110 15 18 18	16 20 28 28	100 30 111 57	. 25 22 36 36
REEDIN	-	Females	1920	. 180 79 76 90 99	110 20 78 78 25	167 235 55 182 27	116 16 334 18	91 298 112 72	231 50 192 163
FOR B	RED	Ferr	1921	228 103 155 65 70	108 62 67 47 101	153 442 17 345 120	84 113 84 	195 366 45 71	56 49 101 225
	PURE BRED	- SS	1920	95 44 30 30 30	15 10 10	62 74 78 38	26 1	. 23 820	8888
	•	Sires	1921	130 24 49 20 23	12 8 49 15 15 15	50 94 111 45 17	9 10 37	25 25	16 28 74
		Disease	1920		13 30 40 17	65 66 238 34	20 10 57	24 8 31 35	74 33 40 7
		Died from Disease	1921	7.442.633	30 51 56 2	82 52 82 83 63 83 8	19 8 27	22,30	101 9 72 31
7/	n	Years Old and Over	1920	5,462 6,556 1,848 1,797 3,173	2, 192 564 1, 864 1, 214 510	1,525 3,023 989 3,761 2,596	1,565 201 2,902 1,263	4, 271 2, 462 1, 633 2, 125	2,847 2,484 5,028
TIP BOSE	UNIOSE	2 Years	1921	4, 085 4, 325 2, 000 1, 960 2, 443	2,601 258 1,721 618 614	2, 461 2, 342 340 304 1, 446	1,285 226 1,970 1,302	3,985 1,801 1,240 2,183	2,313 2,079 5,470
DOD ATT DITUDOSES	י שרע ע	1 Year Old and Under 2	1920	3,027 2,668 1,513 946 1,309	875 198 1,067 731 325	2,305 1,471 527 2,006 1,759	800 106 1,048 1,021	4,516 1,472 669 998	1,638 1,241 3,238 1,987
Ę.	FO		1921	2,312 1,617 1,016 953 1,458	536 111 759 515	1,035 973 662 694 1,538	456 66 940 558	1,727 1,485 458 859	1,574 819 3,642 1,599
		Under Year Old	1920	3, 097 2, 228 1, 250 954 661	335 176 699 765 64	1,953 1,563 1,563 1,119	690 92 196 658	2,564 1,472 784 792	1,234
		Und 1 Year	1921	2,671 1,451 1,704 1,704	307 48 704 356 20	1,272 1,272 336 756 1,104	330 170 417	1,681 746 352	1,109 942 2,015
		COUNTY		Pulaski Putaam Randolph Rapey. Rush	St. Joseph Scott. Shelby Spencer Starke	Skeuben Sullivan Switzerland Tippocauoe	Union. Vanderburgh. Vermillion. Vigo.	Wabash. Warren. Warriek. Washington.	Wayne Wells White.

TABLE No. XII-LIVE STOCK ON FARMS, JANUARY 1-DAIRY CATTLE

		ales	1920	271,752	2,799 2,918 2,978 1,348 2,894	2,771 3,664 3,273 3,267	2,658 5,051 1,560 2,461 3,892	4,077 1,731 6,732 2,950 6,017	1,506 1,906 3,167 2,283 2,706
	GRADE	Females	1921	285,432	2,763 3,616 3,160 1,757 2,201	2, 733 1,871 2,617 2,672 2,748	3,509 4,809 1,053 2,331 2,721	2,306 2,306 5,946 5,006	1,559 1,969 3,632 2,008 2,886
OSES	GR		1920	6,488	101 73 829 848	45 12 57 77	24 90 20 20 20 20	36 37 93 105 167	38.7.4.6.8 36.4.4.88
G PURP		Sires	1921	7,546	99 45	83 33 46 150	54 44 66 66	. 45 43 92 155 114	24 73 67 66
FOR BREEDING PURPOSES		sejr	1920	16,822	112 98 90 26 56	126 227 247 200 196	39 119 46 52 137	51 112 291 132 724	% 2 4 4 8
FOR B	BRED	Females	1921	15,814	335 102 92 52 87	199 201 75 193 206	40 472 63 70 176	33 136 245 108 832	36 26 43 162 45
	PURE BRED	88	1920	2,898	83.4 83.7 8.	47 16 37 31	12 4 63 74	13 25 31 43 116	817794
		Sires	1921	3,418	37 16 15 15	42 77 30 32	13 16 16 16	1182 272 141 109	01 80 11 11
		Disease	1920	6,744	02 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	68 103 28 50	89 67 72 150	94 153 124 124	34 34 88 95
		Died from Disease	1921	7,141	103 67 96 83 24	25.00 5.00 5.00 5.00 5.00 5.00 5.00 5.00	118 75 38 78 145	69 60 174 166 89	41 98 162 97
. g	2	Years Old and Over	1920	610,742	8,770 14,894 6,019 4,016 3,388	8,052 3,026 7,399 7,608	6, 422 7, 200 5, 230 6, 537 8, 214	5,905 7,483 9,742 5,395 12,340	2,919 3,865 4,880 7,538 6,969
EOR ALL PURPOSES	. 0161 001	2 Years Ov	1921	587,154	.6,866 13,051 5,881 3,729	10,830 2,855 5,392 6,818 7,015	5, 467 7, 679 4, 769 6, 136 7, 042	4,648 7,808 9,506 5,213 11,708	2,966 3,502 4,354 7,119 7,492
B ATT. 1	THE AL	Year Old and Under 2	1920	74,571	1,057 1,156 390 399 251	1,437 364 297 876 534	830 726 962 802 1,558	1,320 1,114 1,114 1,712	144 597 667 777 625
) . OH	7	1 Year Old a Under 2	1921	69,316	1,373 1,663 1,80 180 340	809 319 369 677 593	804 763 782 627 2,327	1,275 933 907 1,160 1,515	149 420 451 880 776
		Under 1 Year Old	1920	73,825	1,327 901 507 215 228	1,096 535 409 889 523	1,060 1,374 728 912 968	1,026 1,071 1,071 1,843	170 503 918 702 1,012
		Under 1	1921	67,843	1,117 1,117 381 191 437	837 387 432 876 556	689 791 632 854 1,421	315 934 1,305 1,548	108 420 487 331 803
	Convey			State Totals	Adams Allen Bartholomew Benton Biaekford	Boone. Brown. Brown. Carroll Cass. Clark	Clay. Clinton Crawford Daviess Dearborn	Decatur Dekalb Delaware Dubois	Fayette. Floyd. Floyd. Fountain Franklin Fulton.

TABLE No. XII-LIVE STOCK ON FARMS, JANUARY 1-DAIRY CATTLE-Continued

		SS.	1920	4, 261 4, 881 5, 485 3, 800	3, 926 2, 447 2, 589 4, 309 2, 393	4,026 3,853 4,386 1,950 1,785	3,446 3,666 6,657 5,014 5,056	6,083 1,025 3,407 1,054 4,726	2,457 1,912 3,299 2,653
	<u> </u>	Females	1921	3,599 5,030 4,741 4,370	5,098 3,216 4,169 4,166 2,977	2, 191 2, 817 4, 507 2, 615 2, 307	2,484 2,605 5,237 3,934 18,784	7,657 692 3,375 1,855 5,856	1,322 3,727 1,511 2,121 3,090
SES	GRADE		1920	65 87 84 84 84	147 138 78 74 85	105 123 58 17 78	42 154 37 71 320	226 17 97 55 118	111 31 79 55
FOR BREEDING PURPOSES		Sires	1921	109 58 58 68,9 68,9	144 489 58 78 52	51 112 45 65 36	32 32 30 115 299	157 13 99 77 136	33 26 56 46
REEDIN		ales	1920	142 218 124 352 101	198 369 216 95 232	354 307 164 26 184	56 105 199 197 2,910	277 14 620 178 264	255 86 89 266 404
FOR B	Bred	Females	1921	130 306 73 104 380	212 98 175 33 459	278 221 164 82 23	105 204 206 153 388	234 41 643 248 179	76 147 143 187 339
	PURE BRED	es	1920	25 30 11 11 11	038888 44888	26 11 14	100 50 69 196	104 47 24 28 28	8 19 37 24
		Sires	1921	288 278 288 288	282222	37 36 50 23 15	252 24 252 252 253	94 13 31 57	32 16 32 32
		Disease	1920	76 52 126 26 142	160 98 102 98 136	92 55 122 60	30 61 82 44 144	97 143 185 124	855888
		Died from Disease	1921	59 78 174 1	119 118 42 37 65	49 73 83 83	44 835 835 835 835 835 835 835 835 835 835	131 75 93 117	28 28 29 29 29 29 29 29 29 29 29 29 29 29 29
5		Years Old and Over	1920	5,586 7,946 8,317 10,018 4,376	8,007 8,383 6,716 5,551 6,129	5,414 7,337 6,819 6,894 5,206	6, 120 5, 391 11, 922 7, 661 10, 765	10,324 4,334 7,962 8,676 9,705	3,385 6,954 7,266 5,548
TSOGGII	LORLOSI	2 Years Ov	1921	4,726 7,988 7,132 10,930 5,591	8,066 7,274 6,335 5,508 7,194	5,916 5,077 6,675 7,101 5,439	6, 797 6, 196 10, 144 7, 434 - 8, 241	10, 623 4, 111 7, 514 8, 677 9, 738	3,458 7,916 4,318 6,640 5,836
Sasoudila IIV doas	TK ALL	Year Old and Under 2	1920	777 708 606 396 385	1,888 663 404 839 1,138	987 928 1,188 870 748	265 672 1,093 1,283 1,177	2,544 310 965 1,171 1,777	445 1,523 636 575 551
) j	J.	1 Year (Und	1921	837 781 610 824 735	1,846 531 1,182 664 750	938 920 553 906 710	264 178 758 1,183 1,216	2,437 228 779 509 1,799	324 509 1, 261 622 438
		Under 1 Year Old	1920	477 806 970 478 543	1,976 720 415 717 1,124	1,125 1,189 854 624 773	72 415 948 1,345 1,813	1,967 423 854 1,068 1,703	665 627 606 444 680
		Under 1	1921	.341 1,005 776 352 831	2, 269 627. 664 944 836	1,021 889 837 934 646	125 269 762 1,400 1,019	1,859 477 919 499 2,220	348 707 574 571 672
	Cornerno	COOMIT		Gibson Greant Greant Hamilton Hancock	Harrison. Hendricks. Henry. Howard. Huntington.	Jackson. Jasper Jay Jefferson. Jefferson.	Johnson. Knox Kosciusko. Lagrange	Laporte. Lawrence. Madison. Marion. Marshall	Martin Miami Monroe Montgomery Morgan

Nother September									
1,000	•	1,218 3,350 763 3,697 1,260	1,475 1,188 2,064 1,793 1,312	1,131 1,437 9,045 2,664 3,698	4,434 589 3,677 2,915 1,070	4, 289 2, 971 1, 162 4, 190 1, 230	1,657 2,142 512 64	1,710 1,917 1,501 4,672	4,424 3,634 1,971 4,492
1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		1,274 3,930 432 5,411 1,523	1,825 975 2,131 1,822 1,377	2,580 1,541 6,157 4,935 3,235	3, 304 73 3, 837 2, 281 2, 646	2,842 1,850 1,540 3,170 820	1,755 1,301 752 832	1,784 1,485 2,413 4,969	3,842 3,236 2,454 4,999
1,000		85 85 4 139	42 27 31 115 53	69 87 67 102	100 45 72 36	191888	100 100 23 23	96 77 129	145 148 28 82
9458 9612 385 440 5,385 6,385 6,385 6,385 6,385 6,385 6,385 6,385 6,385 6,385 6,385 6,71 1,11 13 21 140 1,006 1,222 422 420 9,11 5,004 4,771 13 1,14 43 2,14 4,775 1,24 4,775 1,14 43 2,14 4,775 1,14 <td< td=""><td></td><td>919 66 89 14</td><td>23 11 11 20 11 20 11</td><td>363 363 111 71 76</td><td>71 46 95 83</td><td>69 30 7</td><td>26. 33. 33.</td><td>32 21 54 112</td><td>88.85 26.83</td></td<>		919 66 89 14	23 11 11 20 11 20 11	363 363 111 71 76	71 46 95 83	69 30 7	26. 33. 33.	32 21 54 112	88.85 26.83
553 8612 770 436 4,132 89 7,736 6,678 6,738 1,738 <td></td> <td>\$25.58 82.58</td> <td>383238</td> <td>331 79 166 108 93</td> <td>368 36 433 66 66</td> <td>137 164 9 167 61</td> <td>86 123 86 86</td> <td>36 30 250 145</td> <td>145 259 96 263</td>		\$25.58 82.58	383238	331 79 166 108 93	368 36 433 66 66	137 164 9 167 61	86 123 86 86	36 30 250 145	145 259 96 263
553 612 385 436 3,692 4,132 39 30 11 43 31 443 43 436 7,396 4,132 30 134 43 31 11 43 43 11 1,693 1,202 770 3,812 5,044 10 11		167 188 138 138	68 17 13 396 62	300 128 133 150	624 22 417 149 132	179 159 36 36 36 216	109 153 78 40	207 81 114 168	35 712 180
553 612 386 4.36 3.692 4.132 39 57 386 6.235 39 57 386 6.235 39 57 386 6.235 39 57 386 6.235 324 48 57 38 6.731 10 31 47 386 6.235 324 48 57 384 48 47 384 47 384 47 384 48 47 384 47 384 47 384 47 384 47 384		28.282	114988	30 27 10 31	73 37 119 116	841 81 19 19	2882	6 45 45	22 50 7 45
553 612 385 4.36 3,692 4,132 88 1,693 1,202 703 989 7,396 6,738 6,738 88 1,693 1,202 703 86 6,788 6,738 6,731 55 2,77 384 420 4,120 4,719 1,834 4,905 6,65 1,032 1,560 1,578 1,844 4,906 6,133 115 1,032 1,660 1,578 1,844 4,006 6,133 115 1,1372 866 986 5,270 6,133 115 116 1,292 1,460 1,578 1,483 1,076 11,331 115 1,202 1,660 1,578 1,483 1,079 1,684 4,079 6,133 115 1,1372 866 1,784 1,696 5,270 6,133 116 1,483 1,696 6,723 6,441 1,026 1,130 1,120 1,120		45.8.2.17 17.8.8.2.17	18 15 124 13	7 3 3 5 8 8 9 2 3 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	96 85 35 27	#89°58	222	212 21 34	111 27 74 39
553 612 385 436 3,692 4,132 943 427 170 198 7,389 6,225 1,693 1,202 772 176 1,823 6,721 270 349 476 6,788 6,721 4,06 6,788 6,721 277 581 272 581 409 5,121 5,084 6,721 277 581 272 584 409 6,121 5,084 6,721 277 581 282 546 4,280 4,109 6,112 1,103 <td>;</td> <td>134 124 24</td> <td>74 149 71 24 24</td> <td>453 178 103</td> <td>48.55.25 22.25 22.25 22.25</td> <td>11 136 142 94 27</td> <td>. 16 38 41 171</td> <td>25 35 64 64</td> <td>112 40 37 61</td>	;	134 124 24	74 149 71 24 24	453 178 103	48.55.25 22.25 22.25 22.25	11 136 142 94 27	. 16 38 41 171	25 35 64 64	112 40 37 61
553 612 385 436 3,692 7,396 7,306 7,396 7,306 7,306 7,306 7,296 7,469 4,206 7,296 4,260 4,260 7,248 4,079 1,066 7,248 4,079 1,066 5,270 3,11<	1	253 253	109 109 115 115	29 101 102 102	90 237 75 55	83 108 120 24 24	23 108 111 91	60 42 42 43 43 43 43 43 43 43 43 43 43 43 43 43	142 15 57 45
553 612 385 436 1,693 427 170 170 344 427 112 170 349 427 198 170 349 427 112 178 277 381 460 561 277 381 227 546 279 445 47 248 192 445 47 248 192 446 47 248 192 446 47 47 29 886 986 506 899 885 584 872 441 441 670 885 899 886 660 663 899 886 660 663 899 886 660 663 800 886 660 683 800 886 660 663 800 1,097 1,109 441		4, 132 6, 325 2, 074 6, 721 4, 759	5,084 4,719 4,905 11,921 6,133	5, 209 5, 832 9, 723 5, 054	10,603 3,096 8,098 6,744 6,265	6,119 6,416 5,479 6,540 5,185	2,773 5,425 2,959 7,343	7,734 3,152 6,360 8,414	6,317 7,421 5,647 6,640
553 612 385 1,693 1,222 770 349 487 170 1,693 1,222 773 277 581 285 277 581 235 1,992 1,563 1,578 1,372 866 986 1,372 866 986 1,372 866 986 1,372 866 986 853 310 441 1,372 886 665 1,372 886 666 1,372 886 670 1,133 568 1,183 1,138 568 1,184 1,138 568 1,194 1,138 568 668 1,138 568 41 1,138 568 41 1,138 1,194 41 1,138 1,104 41 1,139 1,104 41 1,		3,692 1,823 6,788 3,801	5,121 4,260 3,364 11,066 4,079	5,270 9,311 8,810 10,509 5,623	7,559 2,915 8,101 5,663 5,937	7,302 6,197 4,738 6,707 5,246	2,634 5,846 2,589 6,307	7,984 3,279 5,274 7,424	6,158 6,882 4,748 6,460
1, 25.3 612 1, 693 1, 202 349 1, 202 362 327 277 287 1, 092 1, 569 1, 1, 372 886 1, 1, 372 886 1, 1, 372 886 1, 1, 372 886 1, 1, 2, 386 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1		989 176 201	409 546 514 1,884 1,884	506 603 827 1,483	1,626 650 1,450 631 835	643 518 522 674 251	144 359 342 946	481 714 813 1,663	935 850 576 1,150
553 1, 693 1, 693 1, 693 1, 092 1, 092 1, 092 1, 092 1, 032 1, 032 1		770 192 703 462	394 252 335 1,578	986 310 594 1,838	1,163 431 872 650 568	266 1,234 270 444 104	228 668 41 324	610 671 1,079 1,227	1,205 610 716 707
h h h h h h h h h h h h h h h h h h h	0.0	852 427 1, 202 782	327 581 493 1,560 445	866 633 835 1,766	1,162 817 986 866 1,138	410 658 907 768 194	166 558 129 383	790 343 1,097 1,684	498 285 694 902
Newton Noble Noble Noble Obio Owen Orange Owen Orange Perry	1 0 4 4	943 943 1,693 570	362 277 349 1,092 192	1,372 229 768 2,162 451	2,386 441 899 859 312	287 466 670 457 113	147 384 130 87	704 503 850 1,930	482 182 378 883
		Newton Noble Ohio Orange Owen	Parke. Perry. Pike. Porter Posey.	Pulaski. Putnam Randolph Ripley Rush	St. Joseph Scott Shelby Spencer Starke.	Steuben. Sulivan. Switzerland Tippecanoe.	Union. Vanderburgh. Vermillion. Vigo	Wabash Warren Warriek Washington	Wayne Wells White Whitley

TABLE No. XIII-LIVE STOCK ON FARMS, JANUARY 1-SHEEP

			1920	193, 637	3,412 1,092 1,518 1,159 2,347	,308 981 ,051 ,761 672	, 751 , 94 , 671 , 663	1,827 2,945 5,752 426 3,457	984 75 362 010 902
		Females				ರಾಜಹರಾದ ಭ್ರಭ್ಯ	90957		~ %HH
	GRADE	E4 .	1921	192,048	2,481 3,660 1,711 1,854	3,659 985 1,608 3,323 1,615	1,157 2,355 329 1,430 609	1,571 4,236 5,105 478 3,677	1,768 138 4,141 1,491 2,952
OSES	GR	es	1920	7,336	77 22 47 8 8	37 28 48 63 92	17 58 64 15	43 150 127 40 40	69 8 103 32 64
G PURP		Sires	1921	6,317	95 110 85 49 58	63 33 254 64 64	32 65 59 16	69 137 29 92	56 20 20 20 20 20 20 20 20 20 20 20 20 20
FOR BREEDING PURPOSES		les	1920	13,497	85 16 118 39	110 84 28 65 65	93	67 281 278 60 248	275 260 16
FOR B	RED	Females	1921	6,989	112 46 9 61 31	253 108 86 86 39	37 65 111 14	309 200 118 305	51 97 182 250
	PURE BRED	S	1920	1,994	21 34 16 39 4	10 to 10 H	486985	15 22 16 9 87	24 46 3 17
		Sires	1921	2,061	10 22 10 28 15	23 6	16	91 29 14 26	34.
		Diseases ges)	1920	13,405	121 95 157 54 44	216 49 453 101 38	122 122 33 100 52	209 344 459 1113 300	84 6 157 94 453
		Died from Diseases (all ages)	1921	12,672	191 127 100 154 66	240 31 132 113 74	307 307 119 84	150 502 233 134 157	129 169 211 318
. 5	Ω.	and	1920	368, 450	5,111 9,562 2,340 1,811 3,970	5,830 1,359 3,778 4,790 3,220	1,651 3,303 1,814 2,292 1,298	2,533 9,596 7,531 1,866 6,683	2,460 185 5,197 5,191 5,844
ToOdar	UKFUSE	2 Years Old Over	1921	364, 629	4,554 10,002 2,584 2,149 4,077	9,330 9,461 2,461 6,096 2,689	1, 403 2, 929 1, 324 2, 178	3,533 11,658 8,179 1,033 4,279	2,119 233 5,702 3,412 7,809
	FUR ALL FURFUSES	ld and	1920	72,503	767 1.121 276 1,196	506 219 452 1,417	514 853 260 593 296	467 1,842 1,740 684 1,489	345 40 814 562 1,873
		1 Year Old and Under 2	1921	49,361	724 963 395 209 143	289 144 389 645 19	618 367 534 534 219	1,004 1,305 1,428	310 16 232 685 229
		Under Year Old	1920	41,943	348 407 173 169 390	692 212 404 642 76	212 341 64 405 160	143 456 1,065 347 1,617	263 3 591 77 664
		Unc 1 Yea	1921	39, 325	730 867 179 1,613	201 77 638 523 31	60 124 51 317 92	106 419 787 187 275	58 741 162 127
		COUNTY		State Totals	Adams Allen. Bartholomew. Benton. Blackford.	Boone Brown. Carroll Cass. Clark.	Clay Clinton. Crawford Daviess Dearborn.	Decatur Dekalb Delaware Dubois. Bikhart.	Fayette Floyd. Foundain Franklin Fulton

2, 228 5, 596 3, 424 3, 794	1,484 1,859 3,004 1,983 2,223	622 729 3,945 934	964 931 7,541 10,717	1,699 564 1,712 1,49 5,435	428 1,702 1,695 4,836 2,312	8,415 35 1,364 3,073	1,895 362 1,218 695 496
1,569 5,239 3,502 3,429	1,510 1,958 3,373 2,361 2,844	440 791 4, 782 663 882	1,260 673 5,297 6,834 300	1,491 734 1,438 704 6,411	733 2,681 1,422 2,581 2,463	8,356 36 1,010 2,636	1,350 178 1,208 587 604
101 679 122 32 100	94 556 82 123 86	18 18 243 6 6	24 78 122 185 3	158 17 76 15 83	152 118 152 82	9 154 1 1 54 69	22.58 23.58 23.58 23.58
75 106 81 30 91	91 354 129 87 72	15 22 204 24 24 51	86 45 112 162 13	40 36 41 18 126	32 54 55 109	12 135 27	41 21 73 17 26
94 323 16 172	79 905 242 130 136	78 87 339	200 106 88	63 306 181 303	11 5 703 117	143	64 17 21 53
81 623 18 278	26 115 136 96 350	113 211 285	98 97 171 12	26 27 335 106 207	20 93 867 39	196 196 21 50	39 1 29 63
100 100 152 153	38 31 14 50	33 100 17 17	3 38 101	20 1 123 39	21 A	6116	41 - 22 - 2
33	13 50 02 02 02 02 02 02 02 02 02 02 02 02 02	186248	6 39 47 2	11 6 17 4 94	24,88	37 37 17 17	∞ C1 C0 F0 C1
65 156 166 32 32 181	152 238 164 128 156	53 50 148 86 81 81	90 175 73 298 298	123 23 154 161 262	92. 70 196 325 124	894 39 189	17 138 98 59 75
94 285 236 38 38 272	153 169 152 111 220	37 50 158 33 55	223 444 444	94 128 115 84 245	68 94 87 320 179	13 308 43 53 476	74 86 143 147 91
2,901 7,430 4,375 5,182 3,645	2,223 6,421 6,822 2,474 6,018	1,208 1,635 7,861 2,249 1,793	2,575 2,140 10,390 15,534 15,534	3,877 3,141 3,075 2,056 7,304	2,032 2,521 2,963 10,144 3,229	1,215 11,822 981 1,743 5,400	6,208 1,123 2,155 1,947 1,457
2, 251 7, 687 5, 199 4, 887 3, 342	2,463 6,236 5,723 2,568 6,331	1,228 1,648 7,457 3,486 2,030	2,509 891 11,359 12,534 401	4,050 4,613 2,788 2,272 8,623	2,365 2,326 2,320 9,613 3,733	1,279 9,698 994 1,610 5,296	6,519 1,040 2,274 2,276 1,448
2,343 475 971 2,694	711 1,157 923 398 536	320 412 966 232 487	447 220 1,323 8,017 198	868 379 607 378 1,475	553 874 420 1,241 984	2, 120 46 547 635	608 273 617 884 105
153 468 258 754 2,120	500. 762 1,594 788 650	128 202 312 174 475	706 324 786 1,706	502 973 1,006 1,131 1,727	130 788 350 1,137 752	97 1, 499 72 267 949	460 1111 131 227 84
171 317 400 113 480	277 911 149 84 813	78 337 242 50 198	28 87 857 7,029	374 217 235 118 1,195	202 164 290 1,000 430	2,261 6 216 471	536 58 372 62 62 45
57 322 224 . 95 1,093	292 359 51 102 91	28 233 276 50 157	31 10 540 9,958	122 391 308 166 807	105 202 283 283 896 447	2,917 99 77 463	391 45 157 122 55
Gibson Graut Greene Hamiton Hanoock	Harrison Hendricks Heny Howard Huntington	Jackson Jasper Jay Jeferson Jennings	Johnson Knox. Kosuusko Lagrange Lake	Laporte Lawrence Madison Marion. Marshall.	Martin. Miami. Monroe. Montgomery.	Newton Noble Ohio Orange Owen	Parke Perry Pike Porke Porke Porke

TABLE No. XIII-LIVE STOCK ON FARMS, JANUARY 1-SHEEP-Continued

		Females	1921 1920	1,890 2,566 4,030 2,441 3,497 1,055 1,106 241 3,391 43	,,882 2,164 30,,243 2,159 456 409 617 388	7,382 3,391 508 1,741 755 646	.468 1,188 260 . 264 565 548 67	1,095 2,069 1,676 957 416 85 2,332 2,632	2, 464 3, 956 2, 630 2, 550 2, 055 1, 556 3, 806 4, 138
OSES	GRADE		1920	78 111 37 135	51 1 69 23 20 20	131 162 3 29 1	37 16 8	158 1 50 1 13 2	382 152 16 2 98 3
G PURP		Sires	1921	127 196 167 24 113	53 18 22	125 125 8 38 29	37 21 25 6	39 36 15 110	110 107 17 72
FOR BREEDING PURPOSES		Females	1920	24 135 103 22 3,489	110 230 17 17 50	236 92 2 157 37	6	180 404 5	164 174 154
FOR E	Bred	Fem	1921	45 151 170 70 162	88 241 9 104	152 110 182 203	21 4 83 16	157 400 9 9	20 201 147 63.
	FURE BRED	Sires	1920	23 13 34 45 45	15 16 9 7	129 20 6 111 26	133	39 62 8	10 29 11
		Sir	1921		15 39 2 5	24 145 36	7 5	27 46 5 6	250 23
		Diseases (ges)	1920	358 358 267 27 253	71 30 146 17 39	201 276 262 496 60	91 7 56 357	34 106 62 97	147 145 62 106
		Died from Diseases (all ages)	1921	42 302 218 16 . 268	84 20 171 72 9	368 506 170 87 63	75 3 24 268	112 78 92 88	162 147 44 50
Ş.	2		1920	3,291 7,386 6,052 1,596 4,338	3,368 979 2,642 741 1,090	16, 152 7, 673 2, 482 6, 516 2, 181	2,310 433 1,677 2,285	5, 195 2, 597 936 3, 281	3,554 5,225 2,769 4,940
TRPOSE	OTER ODE	2 Years Old and Over	1921	2,982 7,460 6,177 2,160 4,342	2,734 633 2,311 693 839	17, 132 7, 345 1, 845 4, 502 2, 052	2,356 282 1,867 2,478	4, 156 3, 177 1,015 3, 438	3,068 4,594 2,633 4,483
ROR ALL PURPOSES		Old and er 2	1920	535 1,078 444 414 746	697 213 638 41 226	2, 156 793 93 767 1, 041	646 60 464 271	310 1,253 225 456	870 645 640 597
ll OH		1 Year Old and Under 2	1921	1,037 1,024 285 271 1,071	1,060 129 895 52 97	1,610 653 87 349 532	199 35 332 75	376 804 112 314	1,538 510 174 469
		Under Year Old	1920	1,017 761 107 118 326	368 126 257 33 184	2,560 1,116 76 272 398	296 98 261	36 604 131 298	366 306 319 613
		Under 1 Year O	1921	902 742 149 143 546	706 48 186 19 202	159 362 115 1,674 1,048	91 219 96	26 399 57 140	162 42 129 169
	COUNTY			Pulaski Putnam Randolph Ripley Rush	St. Joseph. Scott. Shelby. Spencer. Starke.	Steuben Sullivan Switzerland Tippecanoe Tipton	Union. Vanderburgh. Vermillion. Vigo	Wabash Warren Warrick Washington	Wayne

TABLE No. XIV-LIVE STOCK ON FARMS, JANUARY 1-SWINE

		Females	1920	251,410	3,086 1,716 2,317 1,182 2,287	5,543 449 5,254 2,696 1,678	1,761 7,436 178 1,807 1,576	4,930 1,300 8,011 1,372 1,964	3,928 235 4,384 2,030 1,397
	GRADE	Fem	1921	247, 414	1,800 3,211 2,162 1,344 2,087	4,396 425 3,816 3,080 918	1,980 6,502 204 2,412 423	4,099 1,699 6,641 1,195 1,599	4,320 142 3,720 2,694 2,178
SES	GR	Sires	1920	14,097	193 127 97 19 186	110 24 218 185 98	101 248 2 79 19	203 63 398 183 126	135 25 320 162 66
PURPO		Si	1921	12,833	65 113 66 90 24	238 172 135 285	124 245 6 137 24	205 50 483 203 97	163 8 166 108 160
FOR BREEDING PURPOSES		ales	1920.	40,227	458 327 216. 239 156	1,076 200 820 457 181	91 677 5 102 137	336 298 618 322 293	763 13 568 164 79
FOR BR	BRED	Females	1921	42,876	723 346 178 894 559	770 147 1,219 559 135	165 1,311 61 238 128	221 455 387 210 501	598 14 798 202 151
	PURE	Sires	1920	10,841	106 53 172 92 59	336 21 213 206 47	23.0 23.0 4.0 53.0	52 125 78 92	147 114 329 16
		Sir	1921	9,667	112 65 55 198 111	204 27 239 157 53	38 181 17 95 30	48 98 77 67	125 4 159 52 29
		from	1920	81,379	320 655 890 1,478 23	1,567 20 3,150 762	3,548 98 337	2,917 2,563 692 388	1, 436 722 914 967
		Died from Diseases	1921	73,433	773 525 270 599 2, 358	1,578 1,651 665	3,027 11 983 272	2,376 222 1,496 596 174	1,992 1,506 1,506
POSES	SEESO IV	er hs Old	1920	923, 235	11,949 10,191 8,684 11,889 3,162	18,778 1,948 13,890 14,653 6,073	6, 322 19, 229 2, 472 8, 288 3, 843	13,158 15,019 31,271 5,940 5,470	11,072 1,044 9,510 9,187 11,805
EOB ALL PUBBOSES	מחש דמש	Over 6 Months (1921	778,206	8,111 9,083 9,146 8,594 4,997	19,018 1,181 13,953 10,326 4,059	5,821 17,112 2,020 9,176 4,033	10,489 7,925 16,925 5,565 4,930	11,044 540 9,127 8,768 7,694
FOR	TOT	Under Months Old	1920	1,591,778	23,152 25,003 14,241 12,596 6,879	36,509 3,839 29,344 20,664 9,390	13,367 35,052 5,490 18,767 5,500	25,337 15,019 31,271 13,324 14,942	21, 172 1, 578 19, 991 16, 837 14, 658
		Unc 6 Month	1921	1,460,412	17,711 26,479 14,675 10,718 10,737	35,330 2,440 28,525 21,826 6,458	10,264 33,388 3,067 14,237 4,512	22, 426 5, 186 33, 331 15, 563 13, 270	20,705 1,363 17,133 14,101 15,016
			e	State Totals	Adams. Allen. Bartholmew Benton. Blackford.	Boone. Brown. Caroll Cass. Clark.	Clay. Clinton Claydod Cawford Daviess Dearborn	Decatur Dekalb Delaware Dubois. Elkhart.	Fayette Floyd Floyd Fountain Franklin Fulton

TABLE No. XIV-LIVE STOCK ON FARMS, JANUARY 1-SWINE-Continued

			Females	1920	3,671 5,534 2,876 6,068 5,042	1,351 5,509 6,581 4,546	1,585 2,198 4,101 1,868	3,383 3,602 3,695 1,114	2,706 5,208 820 3,580	531 3,302 1,183 6,295 3,657
	FOR BREEDING PURPOSES Bred Grade	DE	Fem	1921	2, 845 5, 489 2, 122 5, 445 3, 711	1,312 4,754 7,107 6,338 4,730	853 6,510 3,364 1,383	2,864 3,305 3,313 2,539 1,297	2,794 553 4,645 1,846 3,146	1,695 4,220 610 5,450 3,174
		GRA	Sires	1920	199 297 135 253 401	66 565 307 283 250	101 67 152 31 84	147 376 113 140 41	99 310 46 157	. 33 153 83 237 285
			 	1921	248 258 60 231 298	41 831 356 187 420	110 148 78	143 208 86 125 61	119 33 72 185	28 157 69 183 179
			Females	1920	508 644 455 1,023	1,939 707 666 679	251 640 753 50 218	1,170 445 687 273 511	234 143 1,166 351 254	354 328 325 959 636
	FOR BR	PURE BRED	Fen	1921	393 895 405 777 771	142 1,112 334 848 1,352	380 775 552 22 245	922 436 529 170 50	343 62 1,415 373 . 484	253 296 164 1, 128 546
		PURE	Sires	1920	151 120 112 717 111	59 437 152 272 174	74 115 15 15 40	103 74 165 100 169	84 1117 487 73 55	64 142 41 196 65
	, 1		ig.	1921	115 177 110 226 140	55 166 149 281 203	139 136 23 24 54	. 55 72 129 69 12	70 56 155 61 153	02 119 44 44 229 151
			Died from Diseases	1920	839 1, 161 47 1, 097 1, 816	963 1,295 4,647 1,655 1,655	76 178 617 84 138	2,149 · 94 · 186 · 56	1,098 99 3,233 1,480	29 740 99 2,322 1,115
			Died	1921	1,592 1,784 64 2,106 2,150	1, 119 3, 949 808 777	307 295 307 39 111	1,335 200 290 128 54	203 211 2,958 754 246	402 16 1,222 900
	PDOCES	THE CORE	hs Old	1920	12,017 15,415 8,085 15,724 14,795	5,293 21,715 28,616 15,768 11,869	7,365 11,373 9,385 3,613 4,125	13, 574 11, 124 10, 929 8, 070 5, 504	8, 237 5, 786 16, 067 10, 608 10, 386	3, 113 9, 211 3, 868 26, 383 10, 030
	TOP ALL PITEDOGES	n n	Over 6 Months	1921	8,025 13,843 6,785 13,581 17,227	3,696 15,068 27,869 13,957 12,664	6,427 9,825 6,426 2,641 4,486	10,531 10,749 9,902 6,105 4,665	5,992 4,912 17,398 10,696 7,858	2,797 9,961 3,865 19,461 8,009
	FOR		Under Months Old	1920	23,866 32,130 16,507 33,719 22,141	10,284 35,277 40,344 29,020 29,980	14,013 10,328 19,914 4,683 8,423	21,574 21,777 29,107 19,668 4,429	9,634 9,299 46,462 11,875 19,819	6,336 19,801 8,533 44,705 18,992
			Unc 6 Monti	1921	15,792 28,572 11,404 38,525 22,644	8,151 27,224 48,259 39,373 27,977	9,730 12,843 16,555 4,145 7,789	19, 674 18, 196 24, 557 17, 438 4, 084	8,004 7,472 30,362 19,416 20,782	5,405 21,560 5,140 37,201 15,991
	•	,			Gibson Grant. Greene Hamilton Hancock.	Harrison. Hendricks. Hendricks. Hendricks.	Jackson Jasper Jay Jefferson Jennings	Johnson Knox. Kosciusko Lagrange Lake	Laporte Lawrence Madison Marion Marshall	Martin. Miami. Monroe. Montgomery. Morgan.

						*	
2,225 3,779 219 1,812 1,306	2,200 438 1,632 388 928	1,937 3, 0 53 1,108 1,077 10,014	1,455 66 3,738 929 464	3,293 3,137 337 4,410 2,531	4,622 863 665 54	1,756 1,839 655 2,859	8,308 4,050 2,358 3,219
2,634 3,202 1,758 1,758 1,107	1,448 261 1,425 1,822 1,822	1,638 2,253 6,744 1,147 9,474	813 68 68 772 591 738	2,283 2,445 309 3,480 1,915	3,974 1,458 567 319.	2,159 1,511 846 2,157	7,551 6,812 3,382 2,525
. 129	182 37 144 37 53	206 91 363 57 689	63 6 224 40 11	105 206 19 121 140	92 41 5 5	151 72 45 134	950 217 172 225
169 120 54 31	77 10 55 49 122	91 198 439 56 522	30 211 45 18	118 96 23 158 112	99 142 38 13	89 94 40 95	368 223 44 120
341 - 636 4 277 73	317 120 113 103 591	398 357 1,055 241 820	335 112 704 127 160	342 610 19 861 717	252 84 244 96	656 914 227 180	606 948 368 582
$\begin{array}{c c} 461 \\ 1,439 \\ 10 \\ 286 \\ 139 \end{array}$	201 138 170 265 674	527 333 1,183 1,355	444 87 605 246 50	391 589 677 749	255 113 194 36	326 709 178 251	316 637 502 1,072
106 148 2 54 32	64 30 47 171	113 63 210 21 170	488 136 49 77	224 224 . 133 160	30 30 30 15	258 60 52	67 198 64 166
63 172 43 40	68 18 51 30 165	. 95 222 42 42 239	108 14 133 101 35	106 567 8 119 95	158 32 40 91	61 185 61 78	. 54 119 101 216
1,270 1,270 106 436	116 78 378 507 896	617 194 2,905 7 4,365	148 94 2,504 250 250	585 253 31 2,342 1,133	2,283 355 584 567	244 319 13 137	4,603 77 576 170
168 257 46 1,298	60 1,175 1,175 1,954	2,604 15 3,969	2,768 189 97	39 1,729 1,291 1,422	1,048 417 242 232	123 229 107	2,692 665 504 64
10,983 6,807 679 4,563 5,412	12,030 2,958 6,680 4,664 11,584	8,307 16,751 17,868 7,813 22,733	6,937 2,400 13,010 6,676 3,442	6, 136 15, 165 1, 075 14, 525 14, 291	11,525 3,404 3,982 7,389	11,840 8,702 4,530 5,488	18,410 12,247 11,790 7,544
9,844 7,798 443 3,010 3,378	8,813 2,191 5,814 4,368 8,158	5,701 9,886 13,959 7,190 24,354	4,287 2,110 10,859 4,076 1,518	4,862 8,721 889 11,824 13,529	9,199 4,554 3,584 4,513	12, 951 4, 652 4, 776 5, 229	18,802 10,086 9,991 7,229
10,378 16,701 1,054 9,207 10,519	16,075 6,581 14,660 5,370 12,731	12, 485 34, 920 34, 270 6, 934 47, 988	9, 200 5, 275 17, 813 9, 714 3, 774	12,407 18,058 2,484 21,539 26,218	14,987 4,964 6,471 4,695	22, 196 10, 375 9, 185 11, 670	32, 194 17, 679 17, 285 17, 170
9,754 16,328 624 7,691 6,328	18,021 4,281 8,396 5,594 15,866	12, 196 30, 150 37, 946 6, 883 42, 334	6,536 4,277 20,953 7,371 2,099	14, 186 14, 689 1, 042 19, 181 26, 993	11,443 4,117 4,164 5,212	25,527 9,731 6,514 11,385	31,825 22,259 19,498 16,292
Newton Noble Ohio Orange	Parke Perry Pike Porter Posey	Pulaski Putasm Randolph Ripley Rush	St. Jóseph. Scott. Shelby. Speneer. Starke.	Skeuben. Sulivan. Switzerland. Tippecanoe.	Union. Vanderburgh Vermillion Vigo.	Wabash. Warrek. Warriek. Washington	Wayne. Wells White

YEAR BOOK

TABLE No. XV-LIVE STOCK ON FARMS, JANUARY 1-GOATS

			FOR ALL PURPOSES						
County	Under	1 Year	1 Year Uno	Old and der 2		Old and ver	Died from	m Disease	
,	1921	1920	1921	1920	1921	1920	1921	1920	
State Totals	293	397	305	1,260	1,805	3,237	364	307	
Adams. Allen. Bartholomew Benton. Blackford.		8 3	3	574 17	12 4 7	18 2 81 20 2	2	11 3	
Boone Brown Carroll Cass Clark	2	1 14	2	15 1 25	31 237 5 29 34	283 39 21	69	3 78	
Clay Clinton Crawford Daviess Dearborn	3	10	13	2 1 4	6 1 20	3 4 25 31 1	152		
Decatur Dekalb Delaware Dubois Elkhart	i	61	3 2	37 57	22 5 14 4 1	34 27 212 5	5	26	
FayetteFloydFountainFranklinFranklinFranklin.	2	2	5 2	4 3 6	35 9 2 13 21	1 20 229 39 15		31 29 2	
Gibson Grant Greene Hamilton Hancock	8 8	1 4 48	8 3 18	3 3 2 10 5	10 8 8 31 19	78 46 15	4	1 4	
Harrison Hendricks Henry Howard Huntington	2 1	2	5 9 4	32	7 44 -22 17 18	149 3 13 12		,	
Jackson Jasper Jay Jefferson Jennings	35 12 2	6	13 5 42	3 84	19 18 28 24 98	25 16 38 58 14	1		
Johnson Knox Kosciusko Lagrange Lake		2 1 1		1 1 1	33 12 49 .5	$ \begin{array}{c} 11 \\ 3 \\ 14 \\ 42 \\ 2 \end{array} $	6	3	
Laporte Lawrence Madison Marion Marshall	15	2	2 18 1	11 4 2	19 9 46 42	61 70 18 4 7		7	
Martin Miami Monroe Montgomery Morgan	9	1 4 3	3	4 3 5	28 225 12 17 ,33	34 5 3 2 11	1		

TABLE No. XV—GOATS—Continued

				For ALL	Purposes			
County	Under	1 Year	1 Year Und	Old and er 2		Old and ver	Died from	n Disease
•	1921	1920	1921	1920	1921	1920	1921	1920
Newton Noble Ohio Orange Owen		25	1	1	2 1 3 17 46	1 1 153	9 2 11	44 12
Parke Perry Pike Porter Posey	2	12	1 2	28 7	12 14 3 43	148 2 44 7 7	10 2	2 3
Pulaski Putnam Randolph Ripley Rush	6 3 80	6	40 1 10	30 5	15 13 44 15 13	262 55 54 36 8	29	2
St. Joseph. Scott. Shelby. Spencer. Starke.	63	7		5 5	24 64 2 8 22	58 36 42 29 3		22
Steuben Sullivan Switzerland Tippecanoe Tipton	4				11 15 24 1 6	20 1		
Union	1 27	2	15	12	1 27	76 3 16 38	1	
Wabash. Warren Warrick. Washington	2	7 6 2 82	4	12 4 1 60	12 46	40 5 151 1	6	
Wayne Wells White Whitley	3		40	1 11	1 1 4	12 17	47	22

REPORT OF INDIANA STATE BOARD OF REGISTRATION

FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS

Partial Year, August 8, 1921, to September 30, 1921

In accordance with Section 8 of the Act to regulate the practice of professional engineering and land surveying, Chapter 169, page 430, Acts of 1921, 72d General Assembly, this board herewith submits a report of its transactions for the partial year, August 8, 1921, to September 30, 1921.

The personnel of this board as of September 30, 1921, is as follows:

ROBERT L. McCORMICK, Terre Haute, Chairman. CLYDE A. WALB, Lagrange, Vice-Chairman. CHARLES W. COLE, South Bend, Member. HARVEY M. ANTHONY, Muncie, Member. DeWITT V. MOORE, Indianapolis, Secretary.

This Act, originated as House Bill 43, was approved on March 10, 1921, and became effective May 31, 1921, upon completion of the distribution of the printed acts. The limiting date beyond which it shall be unlawful for any person to practice or offer to practice professional engineering or land surveying in this state, unless such person has been duly registered, is December 1, 1921.

The appointments by the Governor of the five engineers in accordance with Section 3 was announced on July 30, 1921, such appointments being as follows:

Ray M. Seely, Hammond, three-year term. Clyde A. Walb, Lagrange, two-year term. Harvey M. Anthony, Muncie, two-year term. Charles W. Cole, South Bend, one-year term. R. L. McCormick, Terre Haute, one-year term.

This first board, so created, met for qualification and organization on August 8, 1921, and at this meeting Mr. R. L. McCormick was elected chairman, Mr. Ray M. Seely, vice-chairman, and Mr. Harvey M. Anthony serving as secretary pro tem., until the organization was completed by the selection and employment of Mr. DeWitt V. Moore of Indianapolis, as permanent executive secretary.

This first meeting of the board was continued over to August 9, at which time the executive secretary was instructed to submit sketches of a seal of the board, registrants' seals, form of application blanks and form of reprint of the law. The secretary was further instructed to hold conferences with the Attorney-General and the State Examiner of the State Board of Accounts with reference to the work of the board and to employ clerical assistants and to arrange for such equipment and supplies as was necessary to equip a temporary office.

Since this date of organization, the board has met five times, namely: August 15, August 29, September 15 and September 19, all being held as adjourned sessions of the first meeting of the board, in order to enable the secretary to properly prepare and submit information as requested and instructed. In addition to the foregoing meetings, a special meeting was held in response to the call of the chairman on September 26.

At the meeting of the board on August 29, an opinion was had from the attorney-general that Mr. Ray M. Seely of Hammond, Indiana, was ineligible to serve, since he occupied a state position as county engineer of Lake County.

This matter having been an open question since the date of organization of the board, upon receipt of this opinion the board reorganized by the election of Mr. Clyde A. Walb of Lagrange, Indiana, as vice-chairman, and the board from the beginning has functioned with four members, three members constituting a quorum.

It should be noted that the order in which certificates are to be issued to the members of this first board, by the Governor, in accordance with Section 5, has been determined by seniority instead of by the order in which the appointments were announced or the length of term of appointment. Certificates of registration so far announced are as follows:

R. L. McCormick, chairman, certificate of registration No. 1. Clyde A. Walb, vice-chairman, certificate of registration No. 2. Charles W. Cole, member, certificate of registration No. 3. Harvey M. Anthony, member, certificate of registration No. 4.

By resolution of the board at meeting on August 8, the Hon. M. T. Calef of South Bend, Indiana, was granted certificate of registration No. 6, the first certificate to be issued outside the board members, in recognition of his earnest and untiring efforts in behalf of House Bill 43, during the 72d General Assembly.

As part of the organization of the board, the executive secretary, being a practicing professional engineer, the board examined and passed upon the application submitted by him on August 29, and he was granted certificate of registration No. 7.

In accordance with the authority of the act, the board has, through its secretary, consulted with the attorney-general and requested and received opinions as follows:

- 1-August 13, 1921.
 - (a) The fiscal year of the board is the fiscal year of Indiana ending September 30.
 - (b) Certificates of Registration expire on October 31, if renewal fee not paid.
 - (c) Re: Funds of the board.
- 2-August 24, 1921.

Re: Inclusion of mine engineers.

3-August 29, 1921.

Re: Status of appointment .- Ray M. Seely.

4-August 30, 1921,

Re: Status of applicants December 1, 1921.—Temporary permission to practice.

5-September 13, 1921.

(a) Re: Age limit, sec. 10 of the act.

(b) Re: Separate printed rosters.—Professional engineers.—Land surveyors.

(c) Re: Rating of applicants.

6-September 16, 1921.

Re: Applicants, residents of Indiana, practicing elsewhere.

7-September 16, 1921.

Re: Each case considered on its own merits.

In addition to the foregoing opinions from Attorney-General Ulysses S. Lesh, opinion was requested and received from Mr. Jesse E. Eschbach, State Examiner, as follows:

1-August 31, 1921.

Funds of the Board of Registration for professional engineers and land surveyors are for the year October 1, 1921, to September 30, 1922.

In accordance with the opinions of the attorney-general and the state examiner, the action so far taken by the board is to be considered as preparatory work to the first year of operation, namely: October 1, 1921, to September 30, 1922. Under these rulings this board has created no funds for this fiscal year ending September 30, 1921, and therefore, has no statement of receipts and expenditures to be included with this report.

Action has been taken at the meetings mentioned in the approving of:

Seal of the board,

Seals of registrants,

Prescribed form of application blanks,

Reprint of law.

Questionnaire for references given by applicants,

Form of receipt and temporary permission to practice,

Form of announcement of examination (three forms),

Applicants' register,

Card index of applications (nucleus of roster),

Form of certificate of registration,

Form of identification receipt cards,

Form of board minutes,

Form of board hearings,

Secretary's register of receipts,

Secretary's register of vouchers,

Secretary's fee deposit record,

General ledger,

Individual ledgers,

Roster,

Journal,

Combination requisition voucher form,

Form of permanent stationery.

Particular attention has been given to the form of certificate of registration, consideration being given same at all meetings until final approval on September 19. This form is now in the hands of the lithographer and it is anticipated that delivery will be made October 15 or soon after.

The prescribed form of application blanks were first available on August 29, since which time there have been received 515 requests, with 113 applications filed and recorded in applicants' register. The first

eighty of these applications have been considered at the meetings of the board but examination is not completed in all cases and no formal announcement has been taken, as under the rulings, such applications are received in anticipation of the first year, beginning October 1, 1921, and no certificates of registration are to be issued until that time and thereafter.

The act provides that before the first day of December of each year, a roster showing the names and places of business and of residences of all registered professional engineers and land surveyors, shall be prepared by the secretary of the board, and such a roster will be prepared.

Laws similar to the law of Indiana are in effect in some twenty states and Canada, and have been proposed in all but seven of the forty-eight states. The Indiana law provides for reciprocity with other states and Canada in which the requirements for registration are of a standard satisfactory to the board. One year ago there was organized by the eleven states then having such laws, a national organization called the "Council of the State Boards of Engineering Examiners," such organization being perfected at a first meeting in Chicago, November 8 and 9, 1920.

The Indiana board, under date of September 14, received September 22, an invitation from the secretary-treasurer of such national council to attend the second annual meeting on October 3 and 4, 1921, at St. Louis, Mo. Chairman R. L. McCormick thereupon called a special meeting on September 26, to consider the question of acceptance. After discussion, by motion duly made and carried, the chairman was authorized to appoint representation to attend such meeting, and in accordance therewith, the chairman appointed Mr. R. L. McCormick, chairman, Mr. Charles W. Cole, member, and Mr. DeWitt V. Moore, secretary. This reciprocity with other states is a large question and the Indiana board fully appreciates the responsibility resting upon it to preserve the high standard of Indiana and the importance of a proper working understanding with the other states.

The Act provides that suitable office quarters shall be provided by the state for the use of the board in the city of Indianapolis. Temporary quarters were assigned in room 329 Senate Chamber, and have been occupied since the organization on August 8, 1921, except the last week in September when it was necessary to vacate and occupy temporary quarters in Supreme Court room 317, because of the national encampment of the Grand Army of the Republic.

The question of suitable office quarters is of increasing importance as the volume of work increases and accumulations are made of records, books, papers and necessary office equipment. The board recommends that if suitable quarters in the State Capitol can not be secured, that quarters be furnished the board in some Indianapolis office building for a period extending through the fall and winter, it being anticipated that by spring of 1922 conditions will be such that the board may have permanent space in the State Capitol. The conditions of heating and lighting room 329, Senate Chamber, are neither suitable for the work of this board nor is it desirable that such a demand be made upon the heating and lighting facilities.

REPORT OF ATTORNEY-GENERAL

REGISTER OF DEPARTMENT OF LAW

U. S. LESH, Attorney-General.
 SUMNER KENNER, Assistant Attorney-General.
 EDWARD M. WHITE, First Deputy Attorney-General.
 MRS. EDWARD FRANKLIN WHITE, Second Deputy Attorney-General.

JOHN G. McCORD, Traveling Deputy Attorney-General. HARRIETTE HARRIS, Stenographer and Clerk. MAUD LUCAS, Stenographer.

DUTIES AND FUNCTIONS

The Attorney-General is the chief law officer of the state and as such his duties and functions are very extensive. He is required to prosecute and defend all suits that are instituted by or against the state; to represent the state in all criminal cases in the Supreme Court; to defend all suits brought against any state office; to represent the state in all suits, actions or claims in which the state may become interested in the state Supreme Court; to prosecute all civil actions brought by any state board; to render legal opinions on any question in which the interests of the state may be involved, when requested to do so by any public officer; to advise the General Assembly as to the constitutionality of any existing or proposed law when requested to do so by a resolution of either house; to institute suits for the recovery of money illegally obtained by public officials; to conduct all suits instituted against corporations and for the recovery of inheritance taxes, and to render legal advice for and conduct suits on behalf of the Public Service Commission.

By an act of 1920 the Attorney-General was made a member of the securities commission which meets each week and passes on applications to qualify and sell securities under the act commonly known as the "Blue Sky Act." Besides being a member of the commission he is its legal advisor and the creation of this commission has placed added duties upon the Attorney-General's office.

The prohibition act passed by the General Assembly of 1917 imposed upon the Attorney-General the duty of enforcing the law in counties where the local officers fail or refuse to do their duty. This office has done much work in this field during the year, both in investigation and prosecution of liquor law violators. In one county \$14,000 in fines were assessed against violators arrested as the result of a raid directed by this office.

The legislature of 1921 placed much additional work upon this office, and during the session the office was called upon to write and advise

as to bills and amendments thereof. All bills passed by the legislature were examined and criticised by this office before their final presentation to the Governor for approval or rejection.

The following persons have held the office of Attorney-General since

the creation of the office in 1855.

James Morrison, from March 5, 1855;

Joseph E. McDonald, from December 17, 1856;

James G. Jones, from December 17, 1859 (died);

John P. Usher (appointed), from November 10, 1861 (resigned);

John F. Kibby (appointed), from March 19, 1862;

Oscar B. Hord, from November 3, 1862;

Delana E. Williamson, from November 3, 1862;

Bayless W. Hanna, from November 3, 1870;

James C. Denny, from November 6, 1872;

Clarence A. Buskirk, from November 6, 1874;

Thomas W. Woollen, from November 6, 1878;

Daniel P. Baldwin, from November 6, 1880;

Francis T. Hord, from 1882 to 1886;

Louis T. Michener, from 1886 to 1890;

Alonzo G. Smith, from 1890 to 1894;

William A. Ketcham, from 1894 to 1898;

William L. Taylor, from 1898 to 1903;

Charles W. Miller, from 1903 to 1907;

James Bingham, from 1907 to 1911;

Thomas M. Honan, from 1911 to 1915;

Richard M. Milburn, from January 1, 1915, to November 9, 1915;

Evan B. Stotsenburg, from November 11, 1915, to January 1, 1917;

Ele Stansbury, from January 1, 1917, to January 1, 1921;

Ulysses S. Lesh, from January 1, 1921, to —————, ——.

OFFICIAL OPINIONS RENDERED SINCE OCTOBER 1, 1920

The Attorney-General has rendered 323 written official opinions upon questions of law to state officers, heads of institutions and such officers as are entitled to such opinions. In addition thereto he has advised the several officers upon many occasions.

In rendering these opinions, it must be understood that this department is without briefs or arguments and in that respect is unlike the Supreme and Appellate Courts. The opinions are generally asked for by men who have a very good understanding of the law affecting their particular offices, and only such questions reach this department as are too complicated for the officers themselves to determine.

REQUISITIONS

During the fiscal year the Attorney-General has passed on the legality and form of 243 requisitions submitted to this department by the Governor, the Governor requiring the approval of the Attorney-General before acting on same.

CRIMINAL CASES

For the fiscal year 1920-1921 there has been briefed prior to October 1, 1920, and decided since thirty cases, briefed since October 1, 1920, and decided twenty-one cases and briefed and pending since October 1, 1920, twenty-seven cases.

COMMENTS ON SOME OF THE MORE IMPORTANT CRIMINAL CASES

The case of Meinert v. State, 131 N. E. 515, involved the rather unusual crime of maintaining a gambling house in the county jail. One of the inmates who was appointed by the jailer as assistant cell boss grouped his fellow prisoners together daily in a game of poker from which he took a "rake off." It was held that he was guilty of keeping a building and room in which gambling took place.

In Carpenter v. State, 131 N. E. 355, the defendant was charged with receiving stolen goods. The court held that where the larceny was established by direct and uncontradicted oral testimony the admission of record evidence to prove such fact though erroneous, was harmless.

In Dundovich v. State, 131 N. E. 377, the charge was murder in the first degree and the defense was want of malice and drunkenness. He was defended by a pauper attorney and it was claimed on appeal that the incompetency of the attorney was to some extent responsible for his conviction. The Supreme Court held that the incompetency or even gross negligence of the pauper attorney in the performance of his duty even in a capital case would not alone justify destroying the judgment of the lower court. Testimony that the defendant was not very drunk was held competent.

Christ v. State, 131 N. E. 820, was a prosecution for receiving stolen goods. The defendant was convicted in the trial court but was reversed in the Supreme Court, the court holding that where the evidence showed that the property was taken at a town in Allen County and found at defendant's place of business on a named street, but there was no evidence in what state, county or city the street was located, there was not sufficient proof of venue.

In James v. State, 130 N. E. 115, the defendant was convicted of keeping a building to be used for gambling. The Supreme Court held in affirming the judgment of the lower court that where an indictment properly charged in the language of the statute two public offenses forbidden by the same section of the statute if the evidence proved but one of them a general verdict of guilty will be deemed a verdict of guilty of the offense sufficiently proved.

In Underhill v. State, 130 N. E. 225, the charge was assault and battery with intent to commit rape. There were two counts in the indictment, one for carnal knowledge of a feeble-minded woman and one for carnal knowledge of a female child under sixteen years. The court held that a verdict finding defendant guilty of assault and battery with intent to commit a felony was a finding of guilty on both counts. The court also held that in such a case consent, force and resistance were not involved.

Thompson v. State, 130 N. E. 412, was a proceeding in the nature of libel by the state against the defendant to condemn and destroy certain intoxicating liquors. The principal point in the case was that an affidavit as a foundation for a warrant of search must be filed with the judge and not merely exhibited to him or executed before him.

In Harlan v. State, 130 N. E. 413, the charge was keeping a device for gaming. The jury returned a verdict, "We the jury disagree." The Supreme Court in affirming the judgment of the lower court declared this verdict a nullity, but that its effect was not necessarily to acquit the defendant. The court also held that if a jury was necessarily or properly discharged before verdict or for failure to agree upon a verdict a second trial of the accused did not put him twice in jeopardy and that the constitutional provision that the jury shall determine the law does not prevent the courts determining the sufficiency of the indictment, the former jeopardy plea or the admissibility of evidence.

In Morgan v. State, 130 N. E. 528, the charge was assault and battery with intent to kill and the defense was insanity as a result of epilepsy. The turning point in the case was the determination of the mental power of the defendant to know right from wrong and also to control an impulse to kill. The Supreme Court reversed the judgment of the lower court and held that it was necessary for the state to show not only that defendant could resist his impulse to kill the prosecuting witness, but also that he had sufficient mental power to know that such act was wrong and that he could understand the nature and consequences of his act.

In Baker v. State, 129 N. E. 468, the charge was murder in the first degree and the defense was insanity. The judgment of the lower court was affirmed and the appellant sentenced to death. The sentence was, however, commuted by the Governor to imprisonment for life. It was held in this case that the admission of statements of those indicted with the appellant and co-conspirators to the offense were inadmissible; that the evidence of sanity will not be rejected because it tends to prove another offense; and that when insanity is pleaded the state is not bound to rely on the presumption of sanity making a prima facie case in chief, but may introduce testimony anticipating matters of defense.

State v. Wm. Dailey and Claud P. Gaunt—this case is pending in the Supreme Court appealed from the Clark Circuit Court—the question involved is the sufficiency of the indictment which sets out that the defendants murdered a guard in the Jeffersonville Reformatory while attempting to escape from that institution. The indictment showed that the deceased did not die until some time over a year after the assault was committed. The lower court held that as the deceased had not died until over a year and a day from the date of the alleged assault that the defendants were not guilty of murder. This holding followed the old common law rule that in order to constitute the crime of murder the deceased must have died within a year and a day from the date of the assault. It is the state's contention that all of the crimes in Indiana are statutory, and as the definition of murder as found in the statute does not include the element of time within which the person must

die, that the court was wrong in applying the old common law rule. This is a question of first impression in the state and a decision is of importance to fix a rule for future conduct.

State v. James R. L. Martin—this is a case pending in the Supreme Court appealed from the Vanderburgh Circuit Court—the question involves the constitutionality of Sections 3 and 4 of Chapter 51, Acts 1915, which provides that an employer must pay the wages due and owing to an employe within seventy-two hours after such employe quits his employment. The law provides a penalty for failure to make this demand and also makes it a crime to fail to make same. This case raises a constitutional question of importance, as the courts of Indiana have decided the various labor payment statutes which have been before it in various ways, and this decision will clear up the law concerning statutes of this nature. In the briefs presented by this office and opposing counsel all of the various statutes in the several states are cited and discussed on similar questions.

State v. Hamilton—this case was filed in the police court at Terre Haute, Indiana, and charged that the defendant was selling the securities of the Co-operative Society of America, a common law trust, without obtaining a license from the Indiana Securities Commission under what is commonly known as the "Blue Sky Law." This case was vigorously contested by the interests back of the defendant and they attacked the constitutionality of the securities act, and also raised the question that if said statute was constitutional that the securities of an organization such as the Co-operative Society of America, being a common law trust, were not such as come within the restrictions of said law. The court held the law constitutional and held that the securities sold by Hamilton were within the purview of the act. Defendant demanded a jury trial which resulted in his conviction.

STATE BOARD OF ACCOUNTS CASES

Since the act of 1917, all reports made by the State Board of Accounts containing charges against public officers, which that department does not succeed in collecting or adjusting, are placed with the Attorney-General for collection.

At the beginning of the fiscal year of 1920-21 there were pending in this department 207 reports containing charges against 220 public officers and other persons, on many of which suits were pending.

During the fiscal year forty-three of these reports were returned to the State Board of Accounts, having been paid or otherwise adjusted during the year. Seventy-four new reports, containing charges against seventy-seven public officers and other persons, have been placed with the Attorney-General during the year, and twenty-one new suits brought.

During the fiscal year the Attorney-General has collected \$6,044.26 on account of these charges, all of which has been paid to the different municipalities entitled to receive it.

There are now pending in this department 238 reports, containing charges against 287 persons. Forty-six suits are pending, in twenty-two counties of the state, to recover charges made by the State Board of Ac-

counts, all of which the Attorney-General is required to prosecute. Many of these cases involve important legal questions, the determination of which by the Supreme or Appellate Court will determine the liability on a large number of other charges on which suits have not been brought.

The following are a few of the more important of these suits:

State ex rel. Licking Township, as a taxing district, Blackford County, v. Perry W. Clamme et al. In the Appellate Court, on appeal from the Blackford Circuit Court. This case involves the question of the duties of the State Board of Accounts in regard to the examination of highways, and the right of the Attorney-General to bring an action on the bond of a road contractor for failure to construct a highway according to plans and specifications. All briefs have been filed.

State ex rel. Madison County v. Joel B. Benefiel et al. Superior Court of Madison County. Involves the question of the right of a county auditor to receive extra compensation from the county for the making of transfer books. The case is at issue and will be tried in the near future.

City of Indianapolis v. National City Bank. Superior Court of Marion County. Is one of seven suits against Indianapolis banks to recover money paid out on alleged fraudulent city warrants issued during 1914 and 1915. Set for trial by jury October 19.

State v. American Insurance Co. Superior Court of Marion County. Involves the interpretation of the "retaliatory law" for taxation of insurance companies. Judgment for defendant. Will be appealed to Appellate Court.

Eagle Township of Boone County v. Jesse F. Phillippi. Boone Circuit Court. Involves the question of allowances to township trustees for expenses, judgment for defendant. Appealed to Appellate Court.

State ex rel. City of Indianapolis v. Carl Von Hake et al. Involves the question of the right of city treasurers to retain interest on Barrett law improvement funds. Not yet at issue.

State v. Fidelity Health and Accident Insurance Company. Appellate Court, on appeal from the Superior Court of Marion County (Court of Claims). Involves the question of taxation of certain classes of insurance companies.

RATE CASES

Public Service Commission of Indiana v. United States. This action was filed in the District Court of the United States, asking for a review of certain rulings of the Interstate Commerce Commission concerning railroad rates. The question as to whether the Interstate Commerce Commission had power under the transportation act to regulate intrastate rates was also presented.

On account of the fact that similar questions were pending before the Supreme Court of the United States on appeals taken by the states of Wisconsin and Illinois, no further action was taken on the case pending a decision of the Supreme Court of the United States.

Baltimore & Ohio R. R. Company v. Public Service Commission et al.; Central Indiana Railway Company v. Public Service Commission;

Chicago & Erie Railroad Company v. Public Service Commission; The Grand Rapids & Indiana Railway Company v. Ulysses S. Lesh, Attorney-General of Indiana; New York, Chicago & St. Louis Ry. Company v. Ulysses S. Lesh, Attorney-General of Indiana et al.; The Indianapolis Union Railway Company v. Public Service Commission; Chicago, Indianapolis & Louisville Railway Company v. Public Service Commission; The New York Central Railroad Company v. Ulysses S. Lesh et al.; The Cleveland, Cincinnati, Chicago & St. Louis Rv. Company v. Public Service Commission; Wabash Railway Company v. Public Service Commission; William J. Jackson, Receiver of the property of Chicago & Eastern Illinois v. Public Service Commission; Illinois Central Railroad Company v. Public Service Commission; Indiana Harbor Belt Railway Company v. Public Service Commission; Walter L. Ross, Receiver, etc., v. Public Service Commission; Pennsylvania Railroad Company v. Public Service Commission; The Pittsburgh, Cincinnati, Chicago & St. Louis Railroad Company v. Public Service Commission; The Cincinnati, Indianapolis & Western Railroad Company v. Public Service Commission; The Chesapeake & Ohio Railway Company of Indiana v. Public Service Commission; Chicago, Terre Haute & Southeastern Railway Company v. Public Service Commission; The Michigan Central Railroad Company v. Public Service Commission; Southern Railway Company v. Public Service Commission; The Muncie Belt Railway Company, Ulysses S. Lesh, etc.; The Louisville & Nashville Ry. Company v. Public Service Commission; The Lake Erie & Western Railroad Company v. Public Service Commission and Evansville, Indianapolis & Terre Haute Railway Company. The above suits, twenty-six in all, were filed in the federal court against the Public Service Commission of Indiana, the Attorney-General and Governor to enjoin the enforcement of certain rates for freight and passenger traffic in Indiana as fixed by the state commission.

The complaints set up the order of the Interstate Commerce Commission of February 17, 1921, and claimed that the former rates promulgated by the state board are illegal and unjust to the carriers and in contradiction to those authorized by the ruling of February 10, 1921.

Upon a hearing before three judges a temporary restraining order was issued against defendants. A motion to modify same was afterwards filed by the defendants and is now pending. On account of the fact that the main question involved was pending before the Supreme Court of the United States no further steps were taken as such decision will no doubt settle the legal questions involved.

The right of the federal government acting through the Interstate Commerce Commission to alter or interfere with purely intrastate rates is involved in these suits, and presents one of the most important legal questions now before the Supreme Court of the United States for decision.

CIVIL CASES

· Clarence C. Shipp v. John N. Hurty et al., v. Walter G. Owens et al., v. Leo K. Fesler et al., v. Indianapolis News. The above cases were filed in the circuit court of Marion County by Clarence C. Shipp, a

manufacturer of ventilating apparatus. Besides asking for large damages they also attacked the constitutionality of the state accounting law, and the law upon which the State Board of Health had promulgated rules and regulations concerning the ventilation of school houses. The several complaints were very voluminous and the court after an extensive hearing on the legal phases sustained the demurrer of the defendants represented by this office and the cases were afterwards dismissed on motion of plaintiff.

Wm. S. Frye v. Ed. Jackson et al. The above case is pending in the Superior Court of Marion County and is a case wherein plaintiff, a motor truck owner, is attacking the constitutionality of the acts of 1919 and 1921, which provides for license fees for motor trucks used for commercial purposes graduated on the tonnage capacity of said vehicles. The court after a hearing and presentation of briefs dissolved the temporary restraining order obtained by the plaintiff without notice, and in so doing upheld the constitutionality of the law. The plaintiff however continued with the case and it was tried upon its merits and is now pending before a special judge.

State ex rel. Dwight E. Kinder v. Department of Constabulary, etc. This case is pending in the Lake Circuit Court wherein the state is asking for a revocation of a charter of the Department of Constabulary of Indiana, etc., on the ground that such corporation is exceeding its legal rights and is attempting to appoint peace officers in various counties of the state claiming to have power to make such appointments and to vest in said appointees power similar to that held by constables. It is also claimed by the state that the agents of this corporation are selling their membership throughout the state under pretense that they represent the Secretary of State and that such membership carries with it a commission in the State Automobile Police Department.

State Board of Health of Indiana v. DeWitt Hodsden et al., and Dr. J. N. Hurty, secretary State Board of Health of Indiana v. Orris M. Tatlock et al. The above cases are commonly known as the Wheeler School House cases and were brought in the Porter Circuit Court. They are an appeal from an order made by the State Board of Health condemning two school houses in Porter County. Some of the parties interested have taken an appeal to the circuit court from the order of condemnation and the cases are now pending.

In Re Hoskinson Ditch Matter. This was proceeding in the Warrick Circuit Court wherein the members of the State Highway Commission were cited to appear before the court, along with the director of the State Highway Commission, and show cause why they did not grant permission for the ditch to cross a main market highway. This hearing involved a question as to the interpretation of the state highway law relative to the cutting of main market highways for the crossing of drains. The question was presented to the court and taken under consideration and has not as yet been decided.

Fireman's Insurance Company et al. v. Thomas S. McMurray, Jr., Commissioner of Insurance, etc. The above case was a suit brought to enjoin the commissioner of insurance from enforcing three rules concern-

ing fire insurance rates and called in question the rate making bureau law enacted in 1919. The matter was presented to the court and temporary injunction granted the insurance companies pending a hearing. The insurance companies later dismissed the case at their costs.

Edith Hedrich v. Orin M. Campbell et al. This was a case brought in the circuit court of Cass County asking for a writ of habeas corpus to bring about the release of a girl who was a ward of the Indiana Girls' School at Clermont. This girl had escaped from the institution several times. The above suit was brought to obtain her release on the ground that the original proceedings of the juvenile court of Cass County were so irregular that she was being illegally held as an inmate of said school. After a hearing the court held that no legal grounds had been shown sufficient to justify the issuing of a writ of habeas corpus and the girl was ordered returned to the school. This girl afterwards escaped again and was retaken in the state of Illinois and an attempt was made to prevent her extradition, but after papers were obtained the attempt was abandoned and the girl was returned to the school.

ANTI-TRUST CASES

State ex rel. v. Fountain Produce Company et al. The above case was originally filed in the Fountain Circuit Court and afterwards taken on change of venue to the Montgomery Circuit Court. It was an action brought by the Attorney-General against the Fountain Produce Company and fifty others, all whom were engaged in the poultry and produce business in Fountain, Tippecanoe, Cass and other counties in said The complaint set out that defendants had conspired together to restrain trade in said commodities in said neighborhood, and that their organization was in violation of the Indiana anti-trust and anti-monopoly statute. After pending some time the case was finally settled by defendants agreeing that a finding be entered against them and that they be enjoined from further carrying out any agreement or understanding in restraint of trade in such commodities or any violation of the Indiana anti-trust statute. This finding and judgment was entered by the judge of the Montgomery Circuit Court and is the first case of record where a finding has been obtained under the anti-trust and anti-monopoly statute in a case brought by the state.

State ex rel. Attorney-General v. Polar Ice and Fuel Company, and State ex rel. Attorney-General v. Indiana Manufacturers of Dairy Products et al. These are cases brought under the anti-trust act seeking to break up alleged combinations and conspiracies in the ice business and the dairy products business throughout the state. Both cases are pending in the superior court of Marion County, and are being pressed for final disposition.

COLLECTIONS AND DISBURSEMENTS FOR FISCAL YEAR 1920-1921

COLLECTIONS

Unclaimed estates collected and paid to treasurer of state	\$3,696 97 977 92 77 50
Total collections	\$4,752 39
DISPURSEMENTS	
DISBURSEMENTS	Returned
	Returned
Attorney-General, salary\$ 7,500 00	
Assistant Attorney-General, salary 3,600 00	
First Deputy Attorney-General, salary 2,600 00	
Second Deputy Attorney-General, salary 2,100 00	
Traveling Deputy Attorney-General, salary	
Stenographer and clerk, salary	
Additional stenographer, salary	
Traveling expense	
Office expense	
Law books 319 00	
Anti-trust, prohibition, escheated estates, etc	\$2,000 00
Total disbursements\$37,176 49	\$2,000 00

REPORT OF THE INDIANA CORN GROWERS' ASSOCIATION

OFFICERS

C. A. BROWN, Franklin, President.
PETER J. LUX, Shelbyville, Vice-President.
G. I. CHRISTIE, Lafayette, Secretary-Treasurer.
GLEN SMILEY, Rochester, Vice-President First District.
E. B. MOORE, Scircleville, Vice-President Second District.
EDWARD STURM, Dana, Vice-President Third District.
J. D. HULL, Columbus, Vice-President Fourth District.
J. A. McCARTY, Evansville, Vice-President Fifth District.

EXECUTIVE COMMITTEE

Composed of Officers of the Association.

LEGISLATIVE COMMITTEE

MAURICE DOUGLASS, Flat Rock. I. N. BROWN, Franklin. W. D. LITTLEJOHN, Kentland.

COMMITTEE ON CORN JUDGES' CERTIFICATES

A. T. WIANCKO, Lafayette. ERNEST THORNBURG, Winchester. JOHN KERLIN, Rockfield.

CORN SHOW COMMITTEE

M. L. FISHER, Lafayette.
JOS. ISLEY, Franklin.
W. Q. FITCH, Lafayette.
P. E. HUDSON, Howe.
E. W. HAMMOND, Rockport.
J. W. CRANE, Wingate.

ALFALFA COMMITTEE

W. A. OSTRANDER, Lafayette. E. W. HILL, Winchester. V. L MANUEL, Crawfordsville. I. J. MATHEWS, Winamac. JOHN A. NEWMAN, Culver.

COMMITTEE ON SEED CERTIFICATION

W. A. OSTRANDER, Lafayette. C. E. TROYER, LaFontaine. RUSSELL EAST, Shelbyville. GEO. SAUERMAN, Crown Point. EVERETT McCLURE, Aurora.

FIVE ACRE CORN CONTEST COMMITTEE

R. S. THOMAS, Lafayette.
J. S. HELMS, Richmond.
ERNEST THORNBURG, Shelbyville.
GEO. L. KERLIN, Franklin.
W. J. ULREY, Attica.
J. A. McCARTY, Evansville.

MEMBERSHIP COMMITTEE

F. C. PALIN, Newtown. J. A. McCARTY, Evansville.

FIVE ACRE CORN CONTEST

The Indiana Corn Growers' Association was very active in furthering the five acre corn contest in 1920. Four hundred fifty-nine contestants in fifty-four counties completed the work. One hundred and thirty raised seventy-five to eighty-five bushels of corn per acre on five acres, and each received a bronze medal. One hundred forty-six raised over eighty-five and under one hundred bushels of corn per acre and were presented with a silver medal, while forty-nine were successful in reaching or surpassing the one hundred bushel mark and received a gold medal.

Mr. William H. Baker of Greene County, again holds the record of the highest yield, producing 128.8 bushels per acre on five acres. Mr. J. W. Warren of Porter County, was a very close second, producing 127.2 bushels per acre. Mr. George N. Quick of Union County, holds third place, with a yield of 117 bushels per acre. One thousand one hundred forty-nine members have been enrolled for the 1921 contest.

Since the organization of the contest in 1914, twenty-six counties in the state are now represented by one or more one hundred bushel corn yields. These counties extend from the extreme north to the extreme south, and from the east to the west, showing that when the best methods are put into practice almost any county in Indiana is capable of producing one hundred bushels of corn per acre.

STATE CORN SHOW

The twenty-first annual Indiana State Corn Show held the week of January 10-14, with 331 entries, surpassed all the other state shows in the number of entries and the quality of exhibits. The increase was due largely to the favorable season and to the addition of a class for soybeans.

The state show brings together the best seed from all parts of the state and gives farmers an opportunity to see and study the corn and grains grown in the various sections. The seed condition, maturity, and uniformity of the corn exhibits were the best ever seen in the show room. Practically every county had a splendid corn crop and a favorable fall for the selection of seed corn in the field.

SEED CERTIFICATION

The seed certification work inaugurated in 1920 is meeting with marked success and is doing much to insure a pure, high-grade seed grain for the farmers of the state. Twenty-seven fields of wheat (8,550 bushels) were certified in 1920, four of oats (6,215 bushels), four of rye (2,025 bushels), eight of corn, and twenty-five of soybeans. Of the twenty-seven men who had wheat certified all but three sold their entire crop, ranging from \$3.25 to \$3.50 per bushel.

BOYS' CORN CLUBS

The Indiana Corn Growers' Association has fostered the boys' corn club work in the state because it has realized that this work is laying the foundations for Indiana's agriculture in the future.

The Scott trophy has been awarded each year since 1908 to the boy doing the best work in corn judging and a handsome silver trophy has been awarded since 1919 for the best boys' judging team. In 1921 this latter trophy was awarded to the Grant County team. Thirty teams of three boys each representing as many counties took part in this contest. These ninety boys represented the winners in county elimination contests in which more than 800 boys took part. In a number of cases township contests were held to determine entries in the county contest so that a total of more than 1,300 boys were reached this year in corn judging.

ALFALFA

The growing of alfalfa has been given special encouragement. The association has urged the use of limestone and better methods of cultivation. As a result, the acreage of alfalfa in the state has been materially increased. It has also urged the use of more adaptable seed and has succeeded in making available to Indiana farmers a supply of certified seed.

FINANCIAL SUMMARY INDIANA CORN GROWERS' ASSOCIATION 1921

Total receipts, state and miscellaneous funds-				
State, \$961.12; miscellaneous, \$2,396.20\$3,357	32			
Total expenditures, state and miscellaneous funds—				
State, \$961.12; miscellaneous, \$1,252.07	19			
Balance represented by deposit in the First Merchants National Bank-				
Cash	13			
Victory Bonds—Purdue State Bank 550	00			

REPORT OF INDIANA UNIVERSITY

January, 1922

HISTORY

Indiana University, head of the common school system of the state, was founded at Bloomington in 1820.

The laws for the establishment of the university date back to the early history of the United States. The ordinance of 1787 reserved the sixteenth section of every township of public land "for the maintenance of public schools within said township," and declared that "religion, morality and knowledge being necessary to good government and the happiness of mankind, schools and the means of education shall be forever encouraged."

The enabling act of Congress authorizing the formation of a state government for Indiana, contained among other items, the grant of an entire township to be designated by the President of the United States for the use of a seminary of learning. The convention which framed the constitution under which Indiana was admitted as a state accepted the grants of Congress and pledged that the ordinance should forever remain irrevocable and inviolate, thus pledging the state to cherish and sustain the institution thus founded. This same convention, as further endorsement of the broad plan, declared in the Constitution (article 9, section 2) that "it shall be the duty of the General Assembly as soon as circumstances will permit, to provide by law for a general system of education, ascending in regular gradation from township schools to a state university, wherein tuition shall be gratis, and equally open to all." In accordance with this provision the General Assembly, by an act passed and approved January 20, 1820, took the first definite step toward the establishment of Indiana University and as a result the Indiana seminary was opened in May, 1824.

Reverend Baynard R. Hall, an alumnus of Union College and Princeton Theological Seminary, was for three years the only instructor in the new educational institution and the only subjects taught were Latin and Greek. The number of students during the first year was ten; the second, fifteen and the third twenty-one. The seminary made such progress in numbers and general character of its work that a board of visitors, appointed by the General Assembly in 1827, recommended that the Indiana seminary be raised to the dignity of a college. On January 28, 1828, this recommendation was enacted into law. The continued growth and increased number of students of the institution led the General Assembly in 1838 to confer upon it the name and style of Indiana University.

In 1829, a preparatory school was established to supply, at least in part, the lack of secondary schools in the state. This school continued

to 1890 when it was believed that the presence of the high schools throughout the state rendered its continuance unnecessary.

The annual attendance in Indiana University prior to 1850 ranged from thirty-eight in 1841 to one hundred and fifteen in 1848. From 1850 to 1884 the smallest attendance in the university was forty-eight in 1853, the largest one hundred and ninety in 1881. The remarkable growth in the last twenty-five years is shown by the following five-year table:

1896 879	•
1901	7
1906	
19112,43	Ľ
1916)
19213,91	1

From the above table it will be seen that the attendance has increased about five-fold during the last twenty-five years. The enrollment has almost trebled during the nineteen years of President Bryan's administration.

The first class graduated from Indiana University in 1830, when four persons received their degrees. Since that time 9,162 degrees have been conferred by Indiana University. The number of persons who graduated last year was 534.

Doctor William Lowe Bryan is president of the university. He is the tenth in line of succession. In chronological order the list of presidents is as follows: Andrew Wylie, D. D., 1829-51; Alfred Ryors, D. D., 1852-53; William Mitchel Daily, D. D., LL. D., 1853-59; John Hiram Lathrop, LL. D., 1859-60; Cyrus Nutt, D. D., LL. D., 1860-75; Lemuel Moss, D. D., 1875-84; David Starr Jordan, Ph. D., LL. D., 1884-91; John Merle Coulter, Ph. D., LL. D., 1891-93; Joseph Swain, M. S., LL. D., 1893-1902; William Lowe Bryan, Ph. D., LL. D., since 1902.

Admission to the university was, until the college year 1867-68, restricted to men, but by a resolution of the board of trustees the doors of the university were, at the beginning of that year, opened to women on the same terms. Since 1867, therefore, the university has been coeducational in all its departments.

ORGANIZATION

Indiana University was one of the first educational institutions of the country to adopt the elective course of study. This system is designed to secure a fundamental uniformity in the work of all students and at the same time, be flexible and adaptable to the vocational needs of individuals. An equal amount of preparation for admission—graduation from a commissioned high school or its equivalent—is required of all students. All must take a group of similar prescribed studies, all must follow some special line of study for three or four years, and all students meeting the university requirements are graduated with the degree Bachelor of Arts or Bachelor of Science. At the same time, the student is granted great freedom in the selection of his studies, the educational value of the element of personal choice being fully recognized.

The board of trustees is composed of eight members, five of whom are selected by the State Board of Education and three by the alumni of the institution. The membership of the board at present is as follows: J. W. Fesler, Indianapolis, president; Dr. S. E. Smith, Richmond, vice-president; Edwin Corr, Bloomington, Treasurer; Ira C. Batman, Bloomington; Frank H. Hatfield, Evansville; Benjamin F. Long, Logansport; George A. Ball, Muncie; Charles M. Niezer, Fort Wayne. John W. Cravens is secretary to the board.

The university consists of the College of Liberal Arts, the School of Education, the School of Law, the School of Medicine, the School of Commerce and Finance, the Graduate School, and the Extension Division. In the combined faculties there are about two hundred members. Exclusive of the professional schools there are thirty-two departments as follows: Anatomy, Astronomy, Botany, Chemistry, Comparative Philology, Economics and Sociology, English, Fine Arts, Geology, German, Greek, History, Home Economics, Hygiene, Journalism, Latin, Library Science, Mathematics, Mechanical Drawing and Manual Training, Military Science and Tactics, Music, Physical Education for Men, Physical Education for Women, Physics, Physiology, Political Science, Psychology and Philosophy, Romance Languages, Social Service, Stenography and Typewriting, Vocational Education and Zoölogy.

LAW SCHOOL

The School of Law was established in 1842. This was, it is believed, the first state university law school established west of the Alleghenies. Lack of funds resulted, in the year 1877, in the suspension of the law school, which continued for twelve years. With this exception the School of Law has been in continual operation since 1842. The school is a member of the American Bar Association. The School of Law requires two years of collegiate work as a preparation for entrance, after which its curriculum covers three years and leads to the degree Bachelor of Laws.

MEDICAL SCHOOL

The School of Medicine was organized in 1903 and offers a full four-year course. The work is given at Bloomington and Indianapolis. The steps in the development of Indiana University School of Medicine will be evident from the following historical statement:

The Medical College of Indiana, located at Indianapolis, was organized in 1869.

The Central College of Physicians and Surgeons, located at Indianapolis, was organized in 1879.

The Fort Wayne College of Medicine, located at Fort Wayne, Indiana, was organized in 1879.

The Indiana University School of Medicine, located at Bloomington, Indiana, was organized in 1903.

The State College of Physicians and Surgeons, located at Indianapolis, was organized in 1906.

In September, 1905, the Medical College of Indiana, the Central College of Physicians and Surgeons and the Fort Wayne College of Medicine, merged under the name the Indiana Medical College, the School of Medicine of Purdue University.

In the summer of 1907, the Indiana University School of Medicine and the State College of Physicians and Surgeons united under the name and style of the Indiana University School of Medicine.

In April, 1908, negotiations were completed whereby the Indiana Medical College should be united with the Indiana University School of Medicine.

The Indiana University School of Medicine represents the union of all the medical interests formerly represented in the schools named above. Three large buildings, which are used exclusively for medical work, are located at Indianapolis. One of these-the college buildingis on the corner of Senate avenue and Market street. The others-The Robert W. Long Hospital, and a large well-equipped building which was completed in 1919, and used for administrative purposes, recitations, laboratory work and cafeteria-are on West Michigan street. The Long Hospital is the gift of Dr. and Mrs. Robert W. Long, of Indianapolis, and cost \$200,000. It is regarded as one of the finest and best equipped buildings of its kind in the United States. The work in the School of Medicine is of an unusually high grade and the institution has the harmonious support of the medical profession of the state. The Carnegie Foundation for the Advancement of Teaching, in one of its recent publications, states that "Indiana is one of the few states that have successfully solved the problem of medical education."

SCHOOL FOR NURSES

In connection with the School of Medicine a School for Nurses is maintained at the Robert W. Long Hospital at Indianapolis. The academic requirements for admission are the same as for the College of Liberal Arts.

The Graduate School was organized in 1904 and furnishes opportunity for advanced work leading to careers in higher education and numerous lines of original research. The degrees granted are Master of Arts and Doctor of Philosophy. Last year there were 211 students in this school alone.

SCHOOL OF EDUCATION

The School of Education, established in 1908, is among the leading schools of the country. This school includes the work of Home Economics and Vocational Education.

SUMMER SCHOOL

The summer term is an integral part of the university. It began as a private enterprise in 1890 with an attendance of thirty-one students. Later it was made a part of the regular university work. The enrollment gradually grew and in 1906 passed the one thousand mark. Since that time the enrollment has been as high as 1,700, which makes Indiana University's Summer School one of the largest in the United States.

EXTENSION DIVISION

The Extension Division was established in 1912. The purpose of this feature is to make the teaching of the university more available to the people of the state, "to bring the university to the people where the people cannot come to the university." The work of this division consists at present of four parts: (1) Correspondence Study. In this field members of the university faculty prepare courses similar and equivalent to the courses offered in the class room. These courses are then administered by correspondence. (2) Instruction by Lectures. this field the Extension Division furnished from the faculty or elsewhere lecturers either for single numbers or for lecture courses. (3) Debating and Public Discussion. In this field questions suitable for debate in high schools and literary societies are suggested and material furnished from which the debaters may prepare their arguments. (4) General Information and Welfare. In this field the division is prepared to furnish information on almost any subject. Community institutes, somewhat on the plan of county teachers' institutes, or farmers' institutes, in which questions of health, economy, business, and social improvement are discussed, are held. Industrial surveys of a community are made with a view of helping the community to improve its schools, library facilities, streets, parks, lights, or other public service. Pictures and slides are loaned for free exhibition to schools, churches and libraries, and conferences on scientific subjects or subjects connected with the general welfare are held. The Extension Division has expanded rapidly.

JOURNALISM

Another line of work which has recently been adopted by the university is that of Journalism. This school is one of the pioneers and was a success from the start. A part of one of the buildings has been set aside for the use of this department. A complete printing outfit has been installed and the department, in addition to publishing the Daily Student, does a large part of the university printing. The editors of the state have shown a deep interest in the work and the graduates and students of the school are in demand for positions on the various newspapers of the country.

SCHOOL OF COMMERCE AND FINANCE

The School of Commerce and Finance is the latest addition to the university's activities. In 1902 a two-year commercial course was established at Indiana University. In June, 1919, the board of trustees authorized a course in commerce covering four years. The rapid expansion of business in recent years has placed on the universities the duty of giving students systematic preparation for a business career. The call for business instruction at Indiana University has grown pressing, both from students and from the public. It was, therefore, decided that the university should provide instruction on a scale that would meet the needs of the situation, so that students should no longer be compelled to go outside the state to secure a business course. In pursuance

of this plan the board of trustees in March, 1920, established a distinct School of Commerce and Finance, and in 1922 a building will be erected for its accommodation.

BUILDINGS

The first site of the university adjoined the town of Bloomington on the south. This site lay in Perry township, the township granted by the Congress of 1816 for seminary purposes. Here the first building, which cost \$2,400, was erected in 1824. In 1838 a more pretentious building was erected, which was destroyed by fire in 1854, with its valuable contents in form of libraries and collections. Friends of the university then rallied to its aid and another and better building was erected. This structure, one of the most picturesque in the state, is now known as the old college building. It was purchased in 1897 by the board of education of Bloomington and is now used for public school purposes. In 1874 a second large building of a similar design to the old college building was erected for the laboratories and museums. In a second fire in 1883 this building with all its contents was destroyed.

Among the buildings that deserve special mention is the student building which was the gift to the state by two thousand graduates, students and other friends of the university. The building, which is constructed of limestone, is the center of the social and religious life of the students and faculty. The west wing of the building is used by the women. In the basement are the plunge and shower baths and the swimming pool. On the first floor are parlors and restrooms and the women's gymnasium; and on the second floor are the headquarters of the Y. W. C. A. The east wing is used by the men students. In the basement are the baths. On the first floor are the parlors and the lounging rooms and on the second floor are various clubrooms, including the office and reading rooms of the Y. M. C. A. and the Indiana Union. The center of the building contains the auditorium capable of seating six hundred persons. Beneath this is the university cafeteria, recently established. In the tower of the student building are the chimes which consist of eleven bells.

The building most recently constructed is the men's gymnasium, which with its equipment, cost about \$225,000. It is located north of Jordan Field and is one of the best buildings of its kind in the United States. It is built of Indiana limestone, in the collegiate Gothic style, or more properly speaking, the Tudor Gothic. The building is approximately 253 feet by 95 feet, facing west, and forming the head or the west end of the athletic field. There are two main entrances to the building from the west, leading into wide corridors, at the end of which are stairs, giving access to basement and second floor. On the first or ground floor are located the swimming pool, team rooms for varsity and freshmen, main locker room, and the toilets, showers, drying-rooms, etc. On the second floor are located the gymnasium, trophy room, and the offices for the physical director, athletic director, medical director, and coaches. In the basement are located the handball courts, bowling alleys, and heating and ventilating apparatus.

The main gymnasium is 90 feet wide by 160 feet long. It is well lighted and ventilated, and occupies the central portion of the building. This room is open to the roof, which is supported by steel trusses. The interior walls of the gymnasium are of a light buff-colored brick.

To the north of the gymnasium room, and separated from it by the stairway and hall, is the trophy room, 28 feet wide and 82 feet long. This room is finished with a paneled oak wainscoting and beamed ceiling, with a large fireplace at one end. To the south of the gymnasium room and separated from it by the stairway and hall, are the general offices. Above the stairway and hall at each end is a balcony overlooking the gymnasium.

In cases of basketball games, etc., bleacher seats are arranged around the gymnasium, seating approximately 3,000 people. The swimming pool and main locker room are underneath the gymnasium on the first floor. The swimming pool room is 52 feet by 114 feet, with a pool 30 feet by 90 feet, and seats for approximately 200 spectators. This room and the pool are lined with tile. Separating the pool room from the main locker room is the shower bath containing twenty-two showers. The main locker room has ample capacity for 1,000 lockers, and has direct connection with the gymnasium above. Every effort possible has been made to make the lockers and locker rooms sanitary. Sterilizing apparatus and drying apparatus have been provided for the clothing.

The varsity and freshman team rooms are at either end of the building, with separate entrances to the athletic field and with separate steam, shower, and toilet rooms. The faculty locker room, on this floor, also has its separate toilets and shower rooms.

The building is fireproof. The heating, ventilating and lighting are of the best, and the building is furnished and equipped complete according to the latest and best standards.

The library building, which was completed in 1907 at a total cost including equipment, of \$140,000, now has 143,354 volumes. The main reading room is 56 feet by 94 feet and has a seating capacity of two hundred and four. The total book capacity of the stack room is in excess of 250,000.

The Indiana University Biological Station is located at Winona Lake, Indiana. The Winona Assembly has erected for the station two buildings, each 20 by 45 feet and two stories high.

Indiana University is a member of the following associations: Association of American Universities; National Association of State Universities; Carnegie Foundation for the Advancement of Teaching; American Bar Association; North Central Association of Colleges and Secondary Schools; Association of American Medical Colleges; Association of Collegiate Alumnae; Phi Beta Kappa; Sigma Xi.

In athletics Indiana University is a member of the National Collegiate Athletic Association and the Big Ten.

FRATERNITIES

The university has twelve Greek letter fraternities, established as follows: Beta Theta Pi, 1845; Phi Delta Theta, 1849; Sigma Chi, 1855; Phi Kappa Psi, 1869; Phi Gamma Delta, 1871; Delta Tau Delta, 1887;

Sigma Nu, 1892; Kappa Sigma, 1900; Sigma Alpha Epsilon, 1907; Alpha Tau Omega, 1915; Delta Upsilon, 1915; Lambda Chi Alpha, 1917; Acacia, 1920; Theta Chi, 1921.

There are seven Greek letter sororities, established as follows: Kappa Alpha Theta, 1870; Kappa Kappa Gamma, 1872; Pi Beta Phi, 1893; Delta Gamma, 1898; Delta Zeta, 1909; Alpha Omicron Pi, 1916; Delta Delta Delta, 1917; Sigma Kappa, 1919; Phi Mu, 1920; Theta Phi Alpha, 1920.

The growth of the university in recent years has been remarkable. This is due to the fact that more and more it is succeeding and fulfilling its mission as a real university. It is trying in every way to meet the wants of the people. It meets the emergencies as they arise. A concrete example of this is shown in its war activities. It was one of the first educational institutions in the United States to offer its services to the state and to the nation. Under the leadership of President Bryan, the faculty and students made an enviable record in furnishing men and resources to the government in that great international crisis.

The funds of the university, in its earlier days, were derived almost wholly from the proceeds of the seminary lands, from gifts, and from fees paid by students. In 1867, by an act approved March 8, the General Assembly provided for the increase of these funds by an annual appropriation. "Whereas," the act reads, "the endowment fund of the State University, located at Bloomington, Monroe County, is no longer sufficient to meet the growing wants of education and make said university efficient and useful, and Whereas, It should be the pride of every citizen of Indiana to place the State University in the highest condition of usefulness, and make it the crowning glory of our present great common school system, where education shall be free," therefore eight thousand dollars annually were appropriated out of the state treasury to the use of the university. This amount was found to be insufficient, and from time to time the amount of the annual appropriation was increased. In 1883, by an act approved March 8, provision was made for a permanent endowment fund to be raised by the levy for thirteen years of a tax of "one-half of one cent on each one hundred dollars' worth of taxable property in this state," to be paid into the state treasury to the credit of Indiana University. In 1895 an act was passed (approved March 8) levying an annual tax of "one-sixth of one mill on every dollar of taxable property in Indiana," the proceeds to be divided among the Indiana University, Purdue University and the Indiana State Normal School. Of this amount the Indiana University received two-fifths, or a levy of one-fifteenth of a mill (or two-thirds of a cent on every one hundred dollars) on the taxable property of the state. By an act approved March 5, 1903, this law was amended, and Indiana University received one-tenth of a mill on every dollar of taxable property of the state, and on the recommendation of Governor Samuel M. Ralston the legislature of 1913 increased this amount to two and four-fifths cents on every one hundred dollars. In 1921, under the administration of Governor Warren T. McCray, the amount was made two cents on every hundred dollars which under an increased appraisement and valuation gave the institution a still larger income. As a result Indiana University is having a greater growth and wider field of usefulness than ever before.

The board of trustees of the Indiana University is required to report biennially to the Governor of the state, and to the Superintendent of Public Instruction whenever by him required, on all matters relating to the university. The whole administration of the university is likewise open to the inspection of a board of visitors, composed of the Governor, Lieutenant-Governor, Speaker of the House of Representatives, Judges of the Supreme Court, and the Superintendent of Public Instruction; and all accounts of the university are regularly audited by the Auditor of State. The president of the university, also, is ex-officio a member of the State Board of Education, a body which has general supervision of public education within the state. On June 24, 1902, the Supreme Court of the state decided that "the Indiana University is an integral part of our free school system"; that "it was the special creation of the constitution"; and that "the university as well as its endowment has always been under the supervision of the state."

Indiana University is pre-eminently the institution of the people. It is the concrete example of the democracy described by President William Lowe Bryan in his inaugural address, in 1902, when he said:

"What the people need and demand is that their children shall have a chance—as good a chance as any other children in the world—to make the most of themselves, to rise in any and every occupation, including those occupations which require the most thorough training. What the people want is open paths from every corner of the state, through the schools, to the highest and best things which man can achieve. To make such paths, to make them open to the poorest and lead to the highest, is the mission of democracy."

The rapid increase in the attendance is the best evidence that the university is fulfilling its mission. Worth and not wealth is the test applied in the classroom and in society. Last year almost four thousand of the sons and daughters of Indiana alone were in attendance. For many years every county in the state has been represented annually. The course of study keeps abreast of the demands of the times. Every honorable calling in life is ably represented by the graduates of the institution. In fact, as well as in law, Indiana University is "the crowning glory of our present great common school system."

PURDUE UNIVERSITY

THE FORTY-SEVENTH ANNUAL REPORT

For the Year Ending September 30, 1921

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OFFICERS FOR 1920-1921

THE TRUSTEES

‡L. WALTER BREAKS, Crawfordsville.
FRANKLIN F. CHANDLER, Indianapolis
¶PERRY CRANE, Lebanon.
JOHN A. HILLENBRAND, Batesville.
CYRUS M. HOBBS, Bridgeport.
‡JOHN ISENBARGER, North Manchester.
†HENRY W. MARSHALL, Lafayette.
¶VIRGINIA C. MEREDITH, West Lafayette.
JAMES W. NOEL, Indianapolis.
JOSEPH D. OLIVER, South Bend.
‡ANDREW E. REYNOLDS, Crawfordsville.
¶DAVID ROSS, Lafayette.
*WILLIAM V. STUART, Lafayette.

^{*} To February 18, 1921.

[†] From February 21, 1921.

[‡] To July 1, 1921.

[¶] From July 1, 1921.

THE OFFICERS OF ADMINISTRATION

¹ WINTHROP ELLSWORTH STONE, Ph. D., LL. D., President of the University.

> ² HENRY W. MARSHALL, Vice President and Acting President.

STANLEY COULTER, Ph. D., LL. D., Dean of Men and of the School of Science; ³ Secretary of the Faculty, ⁴Acting Chairman of the Faculty.

ANDREY ABRAHAM POTTER, B. S.,
Dean of the Schools of Engineering; Director of the
Engineering Experiment Station.

JOHN HARRISON SKINNER, B. S., Dean of the School of Agriculture.

GEORGE IRVING CHRISTIE, B. S. A.,
Director of the Agricultural Experiment Station and of
Agricultural Extension.

WILLIAM MURRAY HEPBURN, A. M., Librarian of the University.

RALPH BUSHNELL STONE, A. M., Registrar of the University.

EDWARD AUGUSTUS ELLSWORTH, Bursar of the University.

SHERMAN ROBERTS CLARK, Purchasing Agent.

¹ To July 17, 1921.

² From August 4, 1921.

³ To August 5, 1921.

⁴ From August 5, 1921.

WINTHROP ELLSWORTH STONE

President of Purdue University, 1900-1921. Vice-President and Professor of Chemistry, 1892-1900. Professor of Chemistry, 1889-1892.

Winthrop Ellsworth Stone was born in Chesterfield, New Hampshire, June 12, 1862, and died on Mt. Eon, in the Canadian Rockies, July 17, 1921.

The University as it stands today speaks more forcibly than any words, not only of his untiring devotion to its scholastic affairs, but also to his wise direction of its material affairs.

Called into state and national councils as a leader in the cause of technical education, he inspired universal respect both for himself and the University he represented.

Descendant of a long line of New England ancestors, President Stone had the strong characteristics of the rugged stock from which he came—uncompromising honesty of thought, speech and purpose, with clearness of vision and courage of conviction that prevented his sacrificing the ultimate good to the immediate emergency.

With untiring steadfastness and devotion he brought to the service of the University for thirty-two years those qualities of mind and character which have helped to make Purdue great. His service was marked by unswerving adherence to principle, singular ability to discern and grasp the essentials of every problem and situation, promptness and decision in action, and fearlessness in fighting every influence which would undermine the morale or lower the standards of the University.

In his character was the rare combination of the creative imagination and vision of the idealist with the practical judgment of the man of affairs and always linked together in his thought was the end to be attained and the slow methodical steps necessary to the realization of his ideal.

When our country entered the war, President Stone set an example for the universities of America by promptly pledging Purdue's entire resources of men, money, and equipment to the war service of the state and nation.

When Dr. Stone became President there were seven hundred students, sixty-seven members of the faculty and eight buildings. Now there are 3,100 students, 245 members of the faculty and thirty-two buildings. Under his leadership consistent development and expansion have marked the material progress of the University. Purdue's debt, however, to President Stone, great though it is from the standpoint of physical growth and increase in resources, never can be measured in terms of buildings, lands and finances. For his strength, loyalty, sincerity of soul, vision and patience, this University in its trustees, its faculty, its students, and its alumni, acknowledges a debt which never can be paid except in dedication to the same ideals, devotion to which characterized the life and service of President Stone.

On account of the emergency brought through the death of the President of Purdue University, Honorable Joseph D. Oliver, President of the Board of Trustees, on July 27, 1921, appointed Henry W. Marshall, Chairman of the Executive Committee, temporary directing head of the University, as the special representative of the Board of Trustees. At a special meeting of the Board of Trustees, on August 4, 1921, Mr. Marshall was elected Vice-President of the University with power to perform all the duties and exercise the powers of the President until further order of the Board.

THE TRUSTEES

William V. Stuart, who had served on the Board of Trustees since 1899, with the exception of an interval of three years, found it necessary to resign February 18, 1921, because of ill health. Mr. Stuart's services were of inestimable value to the University through its years of struggle as well as its years of prosperity, and his resignation was accepted only with great regret.

Mr. Henry W. Marshall was appointed February 21, 1921, to the vacancy created by the resignation of Mr. Stuart. In accordance with an act of the Legislature of 1921, the Board of Trustees was reorganized July 1, 1921. This act provided that the Governor should appoint six members, one of whom should be a woman, while the alumni should select three members. Through this reorganization, three members retired July 1, 1921: A. E. Reynolds, L. Walter Breaks, and John Isenbarger, each of whom had given faithful service to the institution during his term of office.

Mrs. Virginia C. Meredith, the first woman to serve on the Board of Trustees of Purdue University, brings to the position a broad mind and a wide acquaintance with educational matters. Her appointment is a fitting recognition of the part the women are taking in the University in its student body.

Mr. Perry C. Crane and Mr. David Ross both men of recognized ability in the business world, were chosen by the alumni as their representatives. Mr. Crane is a graduate of the School of Agriculture, 1909, and Mr. Ross holds the degree of B. S. M. E. in E. E., 1893.

I. ORGANIZATION OF THE UNIVERSITY

Purdue University is charged under the law with a great variety of functions, in accordance with which the organization of the University is as follows:

A. Schools of Instruction.

- (a) School of Agriculture.
- (b) School of Applied Science.
- (c) School of Mechanical Engineering.
- (d) School of Civil Engineering.
- (e) School of Electrical Engineering.
- (f) School of Chemical Engineering.
- (g) School of Pharmacy.
- (h) Departments of mathematics, English, modern languages, home economics, history, economics, practical mechanics, physical education, military science.

- B. The Agricultural Experiment Station.
- C. The Department of Agricultural Extension.
- D. The Engineering Experiment Station.

II. THE ORIGIN AND PURPOSE OF PURDUE UNIVERSITY

Purdue University was organized under an act of Congress, passed July 2, 1862. This act appropriated public lands to the several States for the purpose of aiding in the maintenance of colleges "where the leading objects shall be, without including other scientific or classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts." The act provides that states availing themselves of the benefits offered shall establish and maintain not less than one college of the nature above indicated. It also specifies certain conditions in accordance with which this shall be done. Among these conditions are the following:

FIRST—"No portion of said fund, nor the interest thereon, shall be applied directly or indirectly, under any pretense whatever, to the purchase, erection, preservation or repair of any building or buildings.

SECOND—"Any State which may take and claim the benefit of the provisions of this act shall provide within five years, at least, not less than one college, as described in the fourth section of this act, or the grant to such State shall cease; and said State shall be bound to pay the United States the amount received of any lands previously sold, and that the title to purchase under the State shall be valid."

The State of Indiana, by an act approved March 6, 1865, obligated itself as follows:

"The State of Indiana accepts and claims the benefits of the provisions of the acts of Congress, approved July 2, 1862, and April 4, 1864, and assents to all the conditions and provisions in said acts contained."

The State accepted from John Purdue and other citizens of Tippe-canoe County donations to the amount of \$230,000 and pledged its faith to the adequate and perpetual maintenance of the institution. Purdue University is also a beneficiary of four acts of Congress, known respectively as the Hatch, the Morrill, the Adams and the Nelson acts. Private donations have been received from Amos Heavilon, from Eliza Fowler, from James Fowler, from William C. Smith, from Moses Fell Dunn, from Mrs. Martha F. Davis, and from William E. Pinney.

By an act of the legislature approved May 6, 1869, the institution thus provided for was located in Tippecanoe County, and the faith of the state was pledged that the location so made shall be permanent.

The name of Purdue University was also established by legislative act of 1869, as follows: "In consideration of the said donation by John Purdue, amounting to one hundred and fifty thousand dollars, and of the further donation of one hundred acres of land appurtenant to the institution, and on condition that the same be made effectual, the said institution, from and after the date of its location as aforesaid, shall have the name and style of 'Purdue University'; and the faith of the State is hereby pledged that such name and style shall be the permanent designation of said institution, without addition thereto or modification thereof."

It thus appears that the University, while bearing the name of John Purdue, is an institution exclusively under state control, and that government aid was originally extended, not only to establish, but to aid in maintaining it as a state institution of a specific kind.

Purdue University is supported by legislative appropriations, by the proceeds of an endowment granted by the General Government and held in trust by the State of Indiana (three hundred and forty thousand dollars), by appropriations from the General Government amounting to eighty thousand dollars, and has non-productive property in building, lands, and equipment to the value of more than two million five hundred thousand dollars. It has six hundred and ninety-two acres of land in its campus and farm, thirty-two buildings, well equipped laboratories, shops, museums, library and reading rooms.

III. REPORT ON THE DEPARTMENTS OF INSTRUCTION

Faculty—Alfred Monroe Kenyon, Head of the Department of Mathematics, died very suddenly in Ashland, Ohio, July 27, 1921. Professor Kenyon came to the University in 1898, and gave faithful and efficient service both in his Department and as Registrar, a position which he held from 1903 to 1908. He was recognized as one of the most valuable men on the staff, an able teacher and a wise counselor, whose death brings a deep sense of personal loss to his associates.

Charles Henry Benjamin, Dean of the Schools of Engineering, since 1907, retired June 30, 1921, under the provisions of the Carnegie Foundation for the Advancement of Teaching. Since 1881, Dean Benjamin had given continuous and noteworthy service in the educational world and well earned this recognition of his work.

Major Robert George Kirkwood, Commandant of Cadets and Professor of Military Science and Tactics, was relieved July 30, 1921 to allow him to attend the General Service School at Ft. Leavenworth, Kansas. Major Kirkwood also served as Commandant at this institution from 1913 to 1917, when he was relieved for duty with a combatant organization. To his fine leadership belongs in great measure the recognition which the Military Department has received.

The following members of the Instructional Corps resigned during the year:

Henry James Kesner, B. S. C. E., Associate Professor of Structural Engineering. Harry Houston Peckham, A. M., Assistant Professor of English. Albert Smith, B. S. C. E., Professor of Structural Engineering.

Students—The total number of students enrolled was 3,110. Of these 2,764 were enrolled in regular courses, 275 in special or short courses, and 71 in graduate courses. In this enrollment were 391 women. The Freshman class numbers 1,013. Students enrolled in regular courses were distributed as follows:

In the School of	Agriculture548
	Chemical Engineering267
	Civil Engineering,
	Electrical Engineering495
,	Mechanical Engineering631
	Pharmacy 18
	Science411

Crawford County was the only county in the state without representation. There were four hundred and thirty students from other states and fifty-five from foreign countries. Three hundred and seventy-five Bachelor's degrees were conferred, twenty-five Pharmaceutical Chemist, twenty-two Advanced degrees, one Honorary degree, Master of Agriculture, nineteen commissions were issued as Second Lieutenant in Field Artillery, R. O. T. C. of the United States Army.

Purdue Federal School—Training of disabled soldiers under the auspices of the Rehabilitation Division of the Federal Board for Vocational Education was continued in the University as during the preceding year. The reorganization of the Government agency for the supervision of these students resulted in the establishment of the U. S. Veterans' Bureau which displaced the Rehabilitation Division of the Federal Board and became effective during last August. The relation of the University to this latter organization has continued with practically no change in policy.

To meet the increasing needs for training the disabled soldiers in this institution, the Government has established a special school to provide academic training for men not qualified to enter regular university classes. Room for this organization, known as the Purdue Federal School, was provided by the use of the Oakwood School building in West Lafayette. The first student in this school was enrolled on November 29, 1920. In this institution, academic work is now administered by four teachers under the supervision of a training officer who acts as Co-ordinator for the direction of all U. S. Veterans' Bureau business of the Purdue Federal School and Purdue University. The Co-ordinator is assisted by a clerk and a special agent in agriculture whose main duty is to provide employment opportunities for men who complete training. The complete staff of the Purdue Federal School is employed directly by the U. S. Veterans' Bureau.

A contract made by Purdue University with the U. S. Veterans' Bureau provides training facilities in agriculture for disabled soldiers who are not qualified to enter the institution as regular or special students. Such students, in addition to their work in agriculture, receive instruction in academic subjects in the Purdue Federal School. The administration of agricultural training is under direct control of the University in co-operation with the Co-ordinator. A committee of three faculty members, in addition to the various department heads concerned, has direct supervision of this work.

Special two-year courses of study are now offered in general farming, horticulture, dairying, poultry raising and animal husbandry for Veterans' Bureau trainees not qualified to enter regular university classes. Four full-time instructors and three part-time instructors are now employed for this work. The contract with the Government provides for all expenses incidental to these special courses.

The enrollment in the Purdue Federal School has increased rapidly since the date of its establishment. The attendance record of Veterans' Bureau students shows that there were one hundred and seven regular and special students in the University and one hundred and eighty-three in the Purdue Federal School.

Alumni—Graduates of the University number six thousand five hundred and ninety-three. They are represented by a permanent Secretary, who has headquarters at Lafayette. The last Legislature enacted a law giving the alumni three representatives on the Board of Trustees. The last year the alumni have given good service in the work for the Purdue Union. Subscriptions to the amount of \$800,000 have been given, pledged by alumni, former students, individual trustees, faculty members and citizens. A site on the southeast corner of the campus has been selected and it is hoped to start building in the spring of 1922.

Electric Metermen's School--March 28-30. Telephone Short Course--March 15-20. Seventh Annual Road School--January 18-20.

Honors Won at International Stock Show—A stock judging team in competition with teams from twenty-one other colleges in the United States and Canada, was rated first. This is the second time that Purdue students have won this honor, the former event occurring in 1916.

For the fourth time Purdue has shown the grand champion steer at the International Livestock Show as follows:

Fyvie Knight in 1908. Merry Monarch in 1917. Fyvie Knight 2d in 1918. Black Ruler in 1920.

The winning of three grand championships in four years is a record never before approached by any individual or any institution. Of especial interest is the fact that the three steers winning this honor in 1917, 1918 and 1920, were bred and raised on the University Farm.

The Engineering Schools—The enrollment in the Engineering Schools in 1920-1921 was one thousand eight hundred and forty-five, being exceeded only by that of the Massachusetts Institute of Technology and by the University of Michigan. In order to bring the engineering student early in his course in contact with actual engineering problems, a course in "Engineering Problems" was added as a requirement for all freshmen students in the schools of civil, electrical and mechanical Engineering. Students in these schools will also be required to take a course in Engineering Administration to acquaint them with modern business methods. In addition to the academic records available, there has been added a personnel record system which makes available information concerning the natural aptitude, mental, moral, social and physical characteristics of each engineering student—a record of value in recommending students to prospective employers who have definite specifications for a given vacancy.

The Engineering staff carried on extension activities in various short courses, and in lectures and addresses delivered for the benefit of civic and technical organizations.

Military Instruction—One thousand three hundred and sixty students were enrolled in the Military Department during the school year. Of these sixty-three were juniors and seniors. Practically all students, unless physically unfit, received five hours per week of instruction. The staff consisted of five officers, three warrant officers, eight non-commissioned officers, four mechanics and twenty privates.

The University was again placed on the list of "Distinguished Colleges" as a result of the report of War Department inspectors based on the work done at the annual inspection of the R. O. T. C. and during the school year. This means that in a nation-wide contest in which one hundred and eighteen universities and colleges maintaining R. O. T. C. units were considered, Purdue University was rated by the War Department as among the twenty most efficient.

War Department regulations authorized each "Distinguished College" to select from each year's graduating class one "Honor Graduate" who would be eligible for appointment in the Army without further examination. Creswell C. Blakeney, a graduate of the School of Civil Engineering was designated as "Honor Graduate" and was appointed Second Lieutenant in the Corps of Engineers, United States Army. Seventy-eight students attended the R. O. T. C. Camp, held at Camp Knox, Kentucky, from June 16th to July 20th, inclusive.

Health Conditions—It is worthy of comment that there were less than one-half the number of students in the hospitals this year as compared with last year and considering the number of students enrolled, it was the best year the University has had as far as the absence of illness is concerned since hospital service was organized.

Teacher Training—The Summer School for the preparation of vocational teachers was the most successful one that has been held by the institution. The session continued nine weeks and college credit to the amount of one semester's work was allowed for the satisfactory completion of all courses covering double time per week during the session.

Two hundred and seventy-four requests for teachers were received. Fifty-six graduates were certified for professional licenses under the provisions of the amended Vesey Law. Under the Smith-Hughes Law, providing for the training of vocational teachers, two hundred and twenty-six students of the University were instructed, principally in the subjects of agriculture and home economics.

Research and Publications—The Agricultural Experiment Station and the Engineering Experiment Station are the two branches of the University organized for research work. These branches have a permanent staff of scientific workers. Members of the faculty are also engaged in such work on their own initiative, and the University publications give the results of these investigations. The publications for the year are:

Official Announcements of the University, 4.

Bulletins and circulars of the Agricultural Experiment Station, 15.

Bulletins and circulars of the Department of Agricultural Extension, 32.

Bulletins and circulars of the Engineering Experiment Station, 3.

The alumni publish a monthly, The Alumnus.

The students publish a daily, The Purdue Exponent, a monthly, the Agriculturist, and two annuals, the Engineering Review and the Debris.

Private scientific publications by members of the staff number one hundred and eleven.

IV. REPORT ON THE AGRICULTURAL EXPERIMENT STATION

This division of the University is called upon to take up many and varied cuestions for Indiana farmers and to seek their solution. Its workers are engaged in the study of the problems of soil fertility, soil drainage, crops best suited to the different sections of the state, insect injury, plant and animal diseases, livestock, dairy and poultry production, farm management, marketing of farm products, farm power and home economics.

The needs of the Station were presented last winter to the Indiana legislature with the result that the annual appropriation to the Agricultural Experiment Station was increased, thus enabling the department to take up important lines of work which had had little or no support because of lack of funds.

The Station publishes a detailed report. A summary of investigations as carried on in each department follows:

The Department of Animal Husbandry placed special emphasis on the development of experimental work relating to the growing, pasturing and fattening of hogs, involving the study of the relative value of rations. The cattle feeding work was continued with special attention to the comparison of corn silage and corn-soy bean silage for cattle. Investigations were continued by the Department of Botany on rust, cereal diseases and vegetable and truck crop diseases. Especial attention was given to the leaf rust of wheat and considerable progress was made in the study of leaf rust of rye, barley and corn. The Department of Dairy Husbandry carried on work started two years ago to determine the value of silage for wintering, the results of using silage as a sole roughage and to compare rations lacking in either grain or roughage. Experiments in manufacturing of ice cream were continued and a valuable study was started to determine a simple method for detecting fat adulterates in butter fat. The control of vegetable garden insects and the peach tree borer, determination of the relative value of liquid and dry lime sulphur and miscible oils against scale insects, engaged the Department of Botany. The Department of Farm Management assumed the management of a rundown farm in Southern Indiana and is keeping detailed records of all improvements and operating expenses, the aim being to make a good home and a fair income. studies of the Department of Horticulture included the use of cover crops, fertilizer, the relative value of heavy and light pruning, tomato seed improvement, sweet corn and potato investigations. Feeding experiments, temperature experiments in incubation, and the demonstration farm flock were continued during the year by the Department of Poultry. The Department of Rural Engineering was engaged chiefly in experiments on the holding power of tractor wheel equipment. The Department of Soils and Crops continued its investigations under way last year and the needs of the various soils in the improvement of farm crops, and started a new series of soil fertility and crop investigations on the Jennings County Experiment Field. Probably the most complete tile drainage experiment in the country was installed in a portion of this field. Important work was accomplished in the experimental work on the Pinney-Purdue Soil Experiment Field, involving the use of lime, crop rotations, crop variety tests and alfalfa and fertilizer tests. The soil survey of Indiana was continued. The Department of Veterinary Science concluded investigations of hog serum and virus and medicinal preparations prepared commercially for the prevention or cure of infectious swine diseases.

The State Chemist is charged with the administration of the Indiana laws pertaining to the registration, inspection, analysis and control of commercial fertilizers and feeding stuffs sold or offered for sale within the state. The fertilizer inspection was carried into every county in the state and in the administration of the Feeding Stuffs Control Law, three thousand three hundred and fifty samples were collected.

The Department of Stallion Enrollment obtained gratifying results in its administration of the stallion enrollment law, the object of which is to encourage and assist in the improvement of the horse breeding business of the state.

The Station conducts three demonstration farms—The Moses Fell Annex, in Lawrence County, near Bedford; the Herbert C. Davis Forestry farm, in Randolph County, and the Pinney-Purdue Farm, in Porter and Laporte Counties. In addition to these, there was purchased this year a farm of one hundred and twenty acres situated about two and one-half miles west of Purdue University and suitable for horticultural investigations and demonstrations.

The publications for the year are—An annual report, nine bulletins, six circulars.

V. REPORT ON THE DEPARTMENT OF AGRICULTURAL EXTENSION

Each year a larger and more valuable assistance is being rendered to the state by the Extension Department. The spirit of co-operation between the workers and the people is securing consideration and support for its activities.

The special report of the Department gives in detail the work of the various projects. A summary of its activities follows:

The main work carried on by the Division of Animal Husbandry was general demonstrations in swine, sheep and cattle improvement, while the Division of Botany carried on the hot water treatment in wheat improvement and worked on the control of loose smut in barley, the control of vegetable diseases, the eradication of barberry, and potato improvement.

The efforts of the Dairy Division were centered upon Cow Testing Association work, purebred dairy sire campaign and dairy products campaign. The Division of Entomology demonstrated that successful control of the chinch bug has been obtained through the use of creosote barriers, and work was begun upon the eradication of the peach tree borer by the use of the paradi-chloro-benzene treatment. Farm Accounting schools, farm record work, cost account work, and miscellaneous farm management work were the main projects of the Division of Farm Management. Farmers were encouraged and aided in keeping cost of productive records, the chief object of this division being to teach farmers how to so organize their farms as to secure higher profits through a well-balanced business. The Division of Home Economics devoted its chief efforts to the organization and development of county home economics associations, milk as a food, home tours, clothing demonstrations and better food demonstrations. The problem of the farm orchard was taken up by the Division of Horticulture chiefly through orchard clubs organized and supervised by county agents and vocational teachers. Other projects of this Department were potato improvement work, and landscape demonstrations. The Division of Poultry Husbandry attacked the problem of farm poultry management from various angles in an endeavor to make farm poultry more profitable to its owner without increasing labor, and much assistance was given to commercial poultry farms and baby chick hatcheries. Through the Division of Rural Engineering studies were made in soil erosion, drainage, and farm power, five hundred and seventy plans for farm buildings were distributed to farmers over the state and four tractor demonstrations were held. The five main projects of the Division of Soils and Crops were: five-acre corn contest, lime campaign, phosphate demonstrations, seed certification. and legumes, while the Division of Veterinary Science had as its chief aim impressing the farmer and practising veterinarian with the value of organized effort and co-operation with health officers in controlling disease among livestock.

The duties of the County Agricultural Agent are prescribed by law and are of far reaching service—demanding co-operation with farmers' institutes, farmers' clubs and other organizations, the leadership in farm demonstration, boys' and girls' clubs and contest work and other movements for the advancement of agriculture and country life. His work is strictly educational. Credit must be given him for the large amount of work done in the various lines and projects undertaken by the Extension Department.

Various conferences were held throughout the year, including the Conference of Agricultural Extension Workers, Conference of Club Supervisors and The Boys' and Girls' Club Round-up. This Round-up broke all records for attendance, one thousand three hundred boys and girls being registered, 80 per cent of whom were making their first visit to any university.

. The Seed Laboratory during the year examined and tested two thousand thirty-six samples, making germination and purity tests for farmers and seedsmen of Indiana and neighboring stations.

The Department of Agricultural Extension has given assistance in developing recreation and community life activities in the rural districts, and in establishing community center buildings, which are tangible symbols of community life interests.

Its publications are—An annual report, nine bulletins, fifteen leaflets and five pamphlets.

VI. REPORT ON THE ENGINERING EXPERIMENT STATION

This branch of the University was established in February, 1917, for the purpose of "conducting researches in the field of engineering; co-operating with engineering societies in conducting industrial investigations; publishing and distributing the results of such investigations in the form of bulletins or otherwise, as may seem desirable." The Station also supervises all commercial testing done by the University. The work of the year includes—Tests of Indiana Road Materials, Researches in Hydraulics, The Development of New Processes for the Manufacture of Nitrogen and of Ozone, The Improvement in the Carburetion of Automobile Fuels and Tests on Farm and Army Tractors.

Its publications for the year are—Tests of Road Materials of Indiana, Flow of Water Through Spiral Riveted Steel Pipe, Engineering Lectures.

VII. PROPERTY OF THE UNIVERSITY

*The value of the real and personal property of the University based upon cost when values were low, is as follows:

based upon cost when values were low, is as it	Jiiows:		
		Value of	
NAME	Value	Contents	Total
University Hall\$	40,000	\$ 4,367	\$ 44,367
Ladies' Hall	35,000	1,456	36,456
Pharmacy	25,000	4,610	29,610
Purdue Hall	35,000	1,019	36,019
Science Annex	3,000	1,000	4,000
Electrical Building	40,000	26,838	66,838
Physics	60,000	19,207	79,207
Chemistry	60,000	38,800	98,800
Mechanical Building	125,000	56,806	181,806
Civil Building	40,000	21,274	61,274
Power and Heating Plant	27,000	78,000	105,000
Michael Golden Shops	120,000	70,295	190,295
Gymnasium	77,000	3,081	80,081
Library	75,000	52,463	127,463
Eliza Fowler Hall	70,000	9,445	79,445
Peirce Conservatory	4,000	1,000	5,000
Smith Hall	50,000	20,565	70,565
Agricultural Hall	60,000	9,866	69,866
Experiment Station	125,000	66,111	191,111
Farm Mechanics	20,000	1,698	21,698
Veterinary Building	40,000	10,000	50,000
Stanley Coulter Hall	80,000	20,000	100,000
Armory	189,000	5,000	194,000
Experiment Station Greenhouse	20,000	359	20,359
Experiment Station Storehouse	26,000	2,008	28,008
Locomotive Museum	1,000	5,000	6,000
Locomotive Laboratory	1,000	10,000	11,000
Stock Judging Pavilion	28,000	734	28,734
Serum Plant	9,000	9,670	18,670
Horticultural Greenhouse	30,000	1,106	31,106
Poultry Plant	7,500	1,978	9,478
Horse Barn	35,000		35,000
Cattle Barn	36,000		36,000
Other Farm Buildings	25,500		25,500
Land (692 acres)	225,000		225,000
Farm Equipment	7,500		7,500
Live Stock	34,500		34,500
	,		

^{*}These values do not even approximate the present values, as no appraisal has been made for several years.

Other Property-			
Moses Dunn Bequest:			
Bonds	104,500		104,500
Real Estate, 678 acres, Lawrence County	28,000		28,000
Herbert E. Davis Forestry Farm, 385 acres, Randolph			
County	68,000		68,000
Pinney-Purdue Farm, 467 acres, Porter and Laporte			
Counties	60,000		60,000
W. C. Smith Bequest, 1,500 acres, Minn	30,000		30,000
Horticultural Farm, 120 acres, Wabash Township	18,600		18,600
	\$2,195,100	\$553,756	\$2,748,856

VIII. LEGISLATION AFFECTING PURDUE

Following is the summary of legislation by the last General Assembly relating to Purdue University:

- 1. The law providing a mill tax in support of the University was amended so as to increase the rate of taxation to five cents on the hundred dollars of the proceeds of which Purdue was to receive two-fifths. It is estimated that this will yield about \$1,200,000 annually for Purdue. The amended law also provides that the proceeds of this tax shall be paid over to the Treasurer of the University semi-annually, in distinction from the present arrangement by which we draw from month to month, an amount to cover all actual expenditures. The first return on this tax will be received in July, 1922.
- 2. The special levy of one cent ordered by the Tax Commission last fall for the benefit of three state institutions to be paid into the general fund of the state, was apportioned by the Legistlature to the three institutions in the regular proportion by which Purdue receives two-fifths of the proceeds. This will yield about \$200,000, one-half available July 1st and the remainder in December of this year.
- 3. The law providing an annual appropriation of \$75,000 to the Agricultural Experiment Station has been amended so as to levy a tax of one-half cent for the benefit of the Station. It is estimated that this will yield somewhat over \$200,000 of which the first installment will be available in July, 1922. In order to provide for the current year, \$175,000 was appropriated specifically, and a like sum thereafter until the tax for it becomes available. The original law was also amended by adding to the advisory board a representative of the Indiana Federation of Farmers.
- 4. A bill was passed relating to the Trustees of the University, fixing the length of term of office at three years instead of six, providing that six of the nine members shall be appointed by the Governor and three chosen from the alumni, and legalizing the acts of the present Board with the belief that the six-year term of the present members of the Board is unconstitutional and, therefore, its acts illegal.
- 5. An act was passed providing for the inspection of commercial seeds, the duty of administering the law being assigned to the Experiment Station. The law provides for the inspection of all seeds offered, and the tagging or labeling of such seeds by a certificate of inspection, the fees derived to be applied to the cost of administering the law.

6. There was created, in the Conservation Commission, a Division of Engineering relating to matters of drainage, flood, etc. While Purdue is not mentioned in the law, it was understood that this work was to be essentially under the direction of Purdue University and in accordance therewith.

FINANCIAL REPORT

Condensed Statement of Receipts and Disbursements for the Year 1920-1921

	Balance on Hand at Beginning of Year	Receipts	Disbursements	Balance on Hand at Close of Year
1. Departments of Instruction: (a) State Educational Tax. (2) (b) Interest on endowment. (1) (c) Federal appropriation. (1) (d) Miscellaneous sources. (2) (e) Specific appropriations. (2) (f) General fund 1-cent tax. (2) (g) Memorial gymnasium fund. (2)	\$99,112 49 100,000 00	\$512,647.70 17,000.00 50,000.00 207,517.96 100,000.00 114,111.59 972.50	\$512,647 70 17,000 00 50,000 00 211,306 22 200,000 00	\$95,324 23 114,111 59 664 82
Totals	\$199,112 49	\$1,002,249 75	\$991,261 60	\$210,100 64
2. Agricultural Experiment Station: 1. For investigation: (a) Federal appropriation	\$26,074 58 10,188 03 613 38	\$30,000 00 37,500 00 98,732 87 5,630 22 15,000 00 88,407 78 15,539 77 1,376 04 5,061 15	\$30,000 00 37,500 00 104,363 09 15,000 00 92,646 04 20,842 98 1,933 31 5,876 12	\$21,836 32 4,884 82 56,11 213 64
(h) Creamery license appropriation. (2) (i) Creamery license fees (2) (j) Stallion enrollment (2) (k) Feeding stuff control (2) (1) Fertilizer control (2)	20,696 89 4,505 35 504 48 6,733 00	1,000 00 21,351 41 4,507 12 46,039 05 29,840 61	1,000 00 -22,969 10 6,850 82 46,313 49 26,873 68	19,079 20 2,161 65 230 04 9,699 93
Totals	Į.		\$412,168 63 \$30,000 00 5,419 81 107,810 27	\$58,161 71 \$983 63
(Federal)(1)		47,327 55	47,327 55	
Totals	\$368 00	\$190,132 53 \$110 00 17,645 00	\$190,557 63 \$315 98 17,645 00	\$983 63 \$162 02 104.500 00
(d) Dairy farm fund	1.945 51	20,920 89 22,457 25	19,871 67 16,459 21	2,994 73 19,760 98
Totals		\$61,133 14	\$54,291 86	\$127,417 73
5. Summary: 1. Departments of Instruction 2. Agricultural Exp. Station 3. Dept. of Agr. Extension 4. Special Funds	\$199, 112 49 70, 344 32 1, 408 73 120, 576 45	\$1,002,249 75 399,986 02 190,132 53 61,133 14	\$991,261 60 412,168 63 190,557 63 54,291 86	\$210,100 64 58,161 71 983 63 127,417 73
Grand Totals	\$391,441 99 1,653,501 44	\$1,653,501 44	\$1,648,279 72	\$396,663 71 1,648,279 72
	\$2,044,943 43			\$2,044,943 43

⁽¹⁾ For the twelve months ending June 30, 1921.(2) For the twelve months ending September 30, 1921.

REPORT OF THE INDIANA STATE NORMAL SCHOOL

Terre Haute, Indiana

and

EASTERN DIVISION Muncie, Indiana

BOARD OF TRUSTEES

SANFORD M. KELTNER, President. WILLIAM C. BALL, Secretary. JOHN T. BEASLEY, Treasurer.

MEMBERS

SANFORD M. KELTNER, Anderson. Term Expires 1922

FRANK C. BALL, Muncie. Term Expires 1922

WILLIAM C. BALL, Terre Haute. Term Expires 1924

LINNAEUS N. HINES, Indianapolis. Term Expires 1921

CHARLES E. COFFIN, Indianapolis. Term Expires 1924

HISTORICAL SKETCH

The act of the General Assembly which created the Indiana State Normal School was approved December 20, 1865. This act defined the object of the school to be "the preparation of teachers for teaching in the common schools of Indiana," provided for the appointment of a board of trustees, the location of the buildings, the organization of a training school, the adoption of courses of study, and created the Normal School Fund for the maintenance of the institution. The act further required the trustees to locate the school at the town or city of the state that should obligate itself to give the largest amount in cash or buildings and grounds to secure the school. The City of Terre Haute was the only place to offer any inducements to secure the institution. A tract of land three hundred feet square near the center of the city, valued at \$25,000, and \$50,000 in cash was offered, and the city agreed to maintain forever one-half the necessary expense of keeping the buildings and grounds in repair. This liberal offer was accepted and the construction of the building was begun. Aided by subsequent appropriations, the trustees were able to complete certain portions of the building, and the school was opened January 6, 1870. The professional training of teachers was an experiment in Indiana, and the institution began its work without the confidence and united support of the people of the state.

Twenty-three students were present on the opening day, and this number increased to forty by the end of the term. The attendance has steadily grown since the opening of the school, and during the years 1920-1921, three thousand twenty-three different students were enrolled. In 1887 the school had become so large that it was necessary for the high school of Terre Haute, which had occupied a portion of the building since its completion, to find new quarters, thus leaving the entire building of three stories to be occupied by the Normal School alone.

On the forenoon of April 9, 1888, the building and its contents were almost totally destroyed by fire. Only the foundations were left unimpaired; the library, furniture, apparatus and everything in the building—the accumulation of eighteen years—were consumed. Terre Haute provided temporary quarters for the school, and, under the contract to maintain one-half the expense of repairs to the buildings and grounds, promptly gave \$50,000 in cash with which to begin the work of rebuilding. The next General Assembly appropriated \$100,000 for the completion of the building, the purchase of a new library, etc. With these sums the school constructed a commodious and beautiful building and purchased an equipment for every department much superior to that possessed before the fire.

The Legislature of 1895 appropriated \$40,000 for the construction of a new building to be used for gymnasiums, library and laboratories. The General Assembly of 1895 appropriated \$20,000, and the General Assembly of two years later \$10,000 with which to complete this building.

The Legislature of 1903 appropriated \$50,000 for purchasing a site for, and the erection of a new training school building. During the four years following, about \$40,000 was added to this from the general fund of the institution, and with these amounts the building was constructed.

MATERIAL EQUIPMENT

The State Normal School occupies six large, commodious buildings. The main building, constructed immediately after the fire of 1888, is about 190 x 150 feet, and is a very complete, well-appointed school building. It contains a beautiful chapel, the administration offices, cloak rooms, class rooms and toilet rooms. It is, architecturally, one of the most beautiful buildings in the state, and its internal arrangement is well adapted to the purpose for which it was constructed.

A second building, constructed in 1893-94, is about 100 x 100 feet, and in style and general harmony with the main building. The basement contains the two gymnasiums. The second and third stories have been made into class and lecture rooms. The fourth story is used by the Commercial Department.

A handsome four-story model or training school building is occupied by the training school for the grades and the high school.

The large fire-proof library building, completed in 1910, is a very substantial stone structure and now contains about 90,000 well-selected volumes.

The vocational building, completed in 1915, is occupied by the

Industrial Arts and Domestic Economy Departments. This building is equipped with the best modern machinery and appliances for this work.

The Science Building, located just west of the library on the north side of Eagle street, provides the much needed room and facilities for the various departments of science. This building, known as Science Hall, is 132 feet long and 84 feet wide. It is practically a four-story building with a modernly equipped plant house on the roof, and is occupied by three of the science departments.

The first floor and a large part of the basement is occupied by the Departments of Botany, Zoölogy and Agriculture. The equipment consists of two large lecture rooms, a general laboratory, a laboratory for advanced work, one for agricultural experiments, two private laboratories for research work, and a large conservatory on the roof for experiments in botany and agriculture.

The second floor is occupied by the Department of Physics, and has two commodious lecture rooms with raised seats, each room equipped with direct and alternating currents, two laboratories for beginning physics, a special laboratory for the study of light, another for advanced physics, several private laboratories, a work shop, apparatus room, and a large storage room in the basement.

The Chemistry Department occupies the third floor and has a large lecture room with raised seats and a smaller room for smaller classes, a laboratory for beginning chemistry, which will accommodate one hundred and sixty students, another for qualitative analysis and physical chemistry, a laboratory for organic chemistry, one for vocational chemistry work, a separate laboratory for combustion work, a private laboratory and a store room, in which is located the still which furnishes the distilled water for the building. An air compressor in the basement furnishes compressed air for the various laboratories.

In addition to these six buildings, which are devoted mainly to instructional purposes, there are three other buildings devoted to various phases of school work.

The cafeteria, located on Eagle street just east of the old Library building, is housed in two remodeled dwelling houses connected by a corridor. Here each day many students take their meals, being provided with nourishing, palatable food at the lowest cost. Financially, the object of the cafeteria is to charge only enough for its services to cover the expense of maintenance. During last summer as many as six hundred students took their noonday meal in the cafeteria, and nearly as many their morning and evening meal.

Just east of the cafeteria is located the Student Building. This, also, is a remodeled dwelling house of very good type, which has been furnished and re-arranged as a headquarters for the social activities of the students. It is open all hours of the day and provides accommodation for meetings of student organizations. A matron lives in the building and has general supervision and control of all student activities carried on within its walls.

Across the street, north from the Student Building, is found the Practice House. This represents the latest phase of development along the line of household economics in the State Normal School, and was

purchased and equipped in order to comply in every respect with the requirements of the Smith-Hughes bill. The building is under the direction of the Department of Home Economics, and is occupied at different periods during the year by groups of young women who undertake the direct management of the house as training in a particular phase of home economics.

TRAINING SCHOOLS

The Normal School maintains a complete system of training schools. The Training School Building now has the Manual Training Department on the first floor; the eight grades on the second floor, and the high school on the third and fourth floors. These departments are all in charge of professionally trained teachers and are open to students for observation and practice.

The value and necessity of well-equipped playgrounds for children in the grades and high school has been conceded by educators for many years. The training school is well provided in this respect. An extensive playground, lying east of the building and covering an area equal to half of a city square, is equipped with modern playground devices and is used as the center of out-door play and athletic activities by the children of the training school.

These complete facilities are offered to Indiana students absolutely free. Residents of Indiana pay no tuition fee whatever, but a library fee of five dollars per quarter from every student, resident and nonresident.

NON-RESIDENT STUDENTS

Students not residing in Indiana are charged a tuition fee of twelve dollars per quarter.

LABORATORY FEES

Students pursuing courses in the Departments of Physiology, Chemistry, Botany, Zoölogy, Agriculture, Industrial Arts and Typewriting are charged laboratory fees per quarter as follows:

Physiology
Chemistry 1 00
Botany 50
Zoölogy 50
Agriculture 50
Industrial Arts 3 50
Typewriting 1 00

STUDENTS' LOAN FUND

The Students' Loan Fund, under the management of the Alumni Association, is maintained for the purpose of aiding members of the senior class. This fund, started by the class of 1908, has been added to by successive classes and now amounts to something over three thousand dollars. Small sums, from one hundred dollars or less, at a low rate of interest are available to members of the senior class.

THE JAMES M'GREGOR STUDENT ENDOWMENT FUND

James McGregor of Terre Haute, died some years ago leaving a will which created the James McGregor Student Endowment Fund. This fund

consists of \$100,000, the income of which is to be used for the benefit of young men and young women attending educational institutions in Vigo County. The proceeds of this fund are divided between Rose Polytechnic Institute and the Indiana State Normal School, at Terre Haute. This fund yields annually about \$2,500 to each of these institutions. That part of it appropriated to the State Normal School is administered by the President of the faculty and awards are made by him. Applicants for these scholarships must meet the usual entrance conditions of the school.

THE PURPOSE OF THE SCHOOL

The statute of 1865 which created the Indiana State Normal School clearly defined its object. This was declared to be "the preparation of teachers for teaching in the common schools of Indiana." The General Assembly of 1907 clearly defined the common or public schools as consisting of (a) elementary schools, including the first eight years of school work, and (b) high schools. The State Normal School, then, is not an institution for general culture for its own sake; it is a special school a professional school. Its sole purpose is to confer on the students that education, discipline, professional training and practical skill which will best fit them for teaching in the public schools of Indiana. The school limits its attention in and work to this one thing—the preparation of teachers for teaching in the common schools of Indiana. No person is admitted who does not enter for the purpose of preparing to teach in the common schools of the state, and all of the work of the school has this one end in view. Perhaps a brief statement of the school's work in its attempt to fulfill this one object of its existence may aid some to determine whether or not they wish to become students.

The State Normal School fully recognizes the importance of special preparation of teachers for both elementary and high schools, and offers the best advantages to both classes. In the preparation for either phase of teaching, three general principles must be recognized as essential: (1) The teacher must be thoroughly grounded in the particular subjects which he is to teach; (2) he must be a student of the principles involved in the presentation of these subjects and of the science of teaching in general; (3) he must supplement this special preparation with a mastery of some broader cultural subjects.

ORGANIZATION OF THE SCHOOL

A president is in charge of both normal schools—the parent school at Terre Haute, and the Eastern Division at Muncie. In each school a dean of the faculty is general assistant to the president. In addition, each school has a dean of women and a dean of men with assistants, thirty-nine heads of departments, thirteen assistant professors, a head librarian and four assistants, and nineteen teachers in the training schools.

In addition to these regular teachers, it has been found necessary in the spring and summer quarters, when the attendance is very much larger than at other times in the year, to employ from fifteen to twenty temporary teachers. The office force consists of one bookkeeper and registrar, one registrar, two assistant bookkeepers and registrars, and a secretary to the president.

The following departments of instruction are maintained:

Educational Psychology, Observation, Method and Practice, Physics, Physiology, Literature, History of Education, Penmanship and Drawing, English, Mathematics, Latin, French, Spanish, Geography and Geology, Rural Education, History and Economics, Zoölogy, Botany, Agriculture, Chemistry, Industrial Arts, Domestic Economy, Public Speaking and Reading, Music and Commerce.

EASTERN DIVISION

In the spring of 1918 the Ball Brothers of Muncie, Indiana, offered to donate to the Indiana State Normal School the school property known as the Muncie National Institute, which had recently come into their possession. This property consists of a very beautiful school building situated in the center of a splendid ten-acre tract, a commodious dormitory for women, which will accommodate from sixty to seventy-five, and a tract of about sixty acres adapted in every way to an extension of the school as it may grow, and for all garden and agricultural purposes. The donation also includes a tract of land of about equal size which has been transferred to a trust company in trust, to be used for the benefit of the institution.

After thorough investigation and consideration, the board of trustees decided to accept this generous offer and establish in this property a branch of the State Normal School to be known as the Eastern Division. The property was thoroughly repaired and renovated, the equipment enlarged, needed furniture bought, the library reorganized and greatly added to. The whole property was put in first-class condition and a competent faculty of trained men and women employed for the work.

The Eastern Division at Muncie is an organic and integral part of the Indiana State Normal School and is operated under the same law, has the same standards of admission, is governed by the same board of trustees, and maintains in every way the same standards as the parent school at Terre Haute.

The board of trustees is now making plans for the erection of a science building at the Eastern Division. The legislature of 1921 appropriated a sum of \$125,000 for the erection of this building. The board has had a study made of the campus at the Eastern Division with a view to locating all new buildings on a quadrangle that shall be artistic and attractive in every way. The new science hall will be the second building in that quadrangle.

A training school is maintained at the Eastern Division. One of the grade schools of the city of Muncie is used for this purpose. This building is situated not far from the normal campus and students having training work in grade subjects pass to this building, where they get expert attention from well-trained teachers. The training work in high school subjects is done in the Muncie High School, a magnificent modern building offering every facility for good school work.

The courses in the State Normal School at Terre Haute are being paralleled in the Eastern Division at Muncie.

The enrollment at Muncie is increasing rapidly, and there is every indication that the number of students doing work there will very soon approach the number doing work in the parent school.

STATISTICS

The following table exhibits the number of Normal School students proper enrolled during each quarter since the organization of the school:

YEAR		ENROLLMENT						Whole Number of Dif-
	Fall Term	Winter Term	1st Spring Term	2nd Spring Term	3rd Spring Term	Summer Term	Enroll- ment	ferent Students
1870 1870-71 1870-71 1871-72 1872-73 1873-74 1874-75 1875-76 1876-77 1877-8 1878-79 1880-81 1881-82 1882-83 1883-84 1884-85 1885-86 1885-86 1886-87 1887-89 1889-90 1890-91 1891-92 1892-93 1893-94 1894-95 1895-96 1896-97 1897-98 1898-90 1900-01 1901-02 1902-03 1904-05 1906-07 1907-08 1908-09 1909-10 1910-11 1911-12 1912-13 1913-14 1914-15 1915-16 1916-17 1917-18 1918-19 1919-20 1920-21	36 76 96 125 143 121 103 171 216 258 270 308 301 358 381 381 358 384 441 598 526 454 451 47 598 452 488 447 598 454 47 598 598 598 598 598 598 598 598 598 598	40 33 85 106 74 148 120 187 198 218 270 297 329 339 421 375 379 421 375 436 680 534 441 375 436 680 544 498 575 680 544 498 575 680 586 680 586 680 586 680 586 680 586 680 586 680 586 680 680 680 680 680 680 680 6	666 841 1311 197 279 218 183 246 413 3355 372 478 4478 448 4539 5412 5539 611 626 626 626 636 671 770 930 1, 183 981 1, 167 1, 135 1, 189 1, 124 1, 124 1, 124 1, 125 1, 165 1, 1				53 51 97 133 158 169 140 156 2257 263 335 331 331 331 331 401 444 429 459 471 463 562 667 67 67 688 676 672 728 677 658 676 677 677 696 686 685 685 722 748 746 748 748 748 748 748 748 748 748 748 748	66 135 153 153 228 304 227 282 450 472 454 558 529 640 646 705 780 780 806 823 932 1,105 1,093 1,274 1,572 1,640 1,711 1,538 1,628 1,406 1,316 1,317 2,081 2,198 2,790 3,129 2,922 2,096 2,935 2,648 3,402 3,183 3,051 2,569 1,539 1,936 2,296 3,023
		EASTE	RN DIVIS	SION, MU	NCIE			
1917-18. 1918-19. 1919-20. 1920-21.	225 180 217	157 211 241	300 365 334	484		383 199 902 1,016	441 415 454	383 1,023 1,200 1,320

TREASURER'S REPORT INDIANA STATE NORMAL SCHOOL October 1, 1920 to September 30, 1921

TERRE HAUTE DIVISION

IERI	RE HAUTE DI	. V 16101V		
	Rec	eipts	Disburse- ments	Balance Sept. 30, 1921
General Fund Balance Oct. 1, 1920. Receipts. Total Balance and receipts. Disbursements Balance Sept. 30, 1921.	\$31,132 82 15,978 30	\$47,111 12	\$33,897 52	
Balance Sept. 30, 1921 Pay Roll and Miscellaneous Fund Balance Oct. 1, 1920 Receipts	0 00 \$291,526 57			\$13,213 60
Total balance and receipts Disbursements Balance Sept. 30, 1921		\$291,526 57	\$290,847 34	\$ 679 23
Balance Oct. 1, 1920	\$0 06 0 00	\$0 06	\$0 0 0	\$0.06
Library Fund Balance Oct. 1, 1920	\$1,994 37 14,896 12	\$16,890 49	\$9,691 43	
Disbursements	\$510 54 3,720 00			\$7,199 06
Total balance and receipts Disbursements Balance Sept. 30, 1921		\$4,230 54	\$3,560 79	\$669 75
Totals Terre Haute Division		\$359,758 78	\$337,997 08	\$21,761 70
EA	ASTERN DIVI	SION		·
General Fund Balance Oct. 1, 1920	\$1,301 71 \$ 4,984 47	\$6,286 18		
Disbursements. Balance Sept. 30, 1921 Pay Roll and Miscellaneous Fund	,		\$4,991 57	\$1,294 61
Balance Oct. 1, 1921. Receipts. Total balance and receipts. Disbursements. Overdraft Oct. 1, 1920.	\$0 00 \$103,816 91 \$103,801 41 15 50	\$103,816 91		
Overdraft Oct. 1, 1920	15 50		\$103,816 91	\$0 00

EASTERN DIVISION—Continued

	Disburse- ments	Balance Sept. 30, 1921		
Library Fund				
Balance Oct. 1, 1920	\$0 00 7,708 00			
Total balance and receipts,		\$7,708 00		
Disbursements Overdraft Oct. 1, 1920	\$1,706 02 503 66			
Total disbursements and overdraft			\$2,209 68	
Balance Sept. 30, 1921				\$5,498 32
Athletic Fund				
Balance Oct. 1, 1920	838 38 1,800 00			
Total balance and receipts		\$2,638 38		
Disbursements		-	\$1,366 96	\$1,271 42
Eastern Division Improvement Fund				
Balance Oct. 1, 1920	\$0 00 5,450 00			
Total balance and receipts		\$5,450 00		
Disbursements	\$1,911 50 300 00			
Total disbursements and overdraft			\$2,211 50	
Balance Sept. 30, 1921			ı	\$3,238 50
Totals Eastern Division		\$125,899 47	\$114,596 62	\$11,302 85

SUMMARY

FUNDS	Balance Oct. 1, 1920	Receipts	Total Balance and Receipts	Disbursements	Balance Sept. 30, 192
Terre Haute Division					
General Fund	\$31,132 82	\$15,978 30	\$48,111 12	\$33,897 52	\$13,213 60
Fund Building Fund	0 00 06	291,526 57 0 00	291,526 57 0 06	290,847 34 0 00	679 23 0 06
Library Fund	1,994 37 510 54	14,896 12 3,720 00	16,890 49 4,230 54	9,691 43 3,560 79	7,199 06 669 75
Eastern Division					
General Fund	1,301 71	4,984 47	6,286 18	4,991 57	1,294 61
Fund (O. D.) Library Fund (O. D.)	15 50 503 66	103,816 91 7,708 00	103,816 91 7,708 00	103,816 91 2,209 68	0 00 5,498 32
Athletic Fund	838 38	1,800 00	2,638 38	1,366 96	1,271 42
(O. D.)	300 00	5,450 00	5,450 00	2,211 50	3,238 50
Less Overdrafts	\$35,777 88 819 16	\$449,880 37	\$485,658 25	\$452,593 70	\$33,064 55
Net Balance all Funds	\$34,958 72				

THE BOARD OF STATE CHARITIES

GOVERNOR WARREN T. McCRAY, President, Ex-Officio.

MEMBERS

FRANCIS H. GAVISK, Indianapolis, March 10, 1922.

MARY A. SPINK, M. D., Indianapolis, March 10, 1922.

WM. J. SAYERS, Muncie, March 1, 1923.

MORRIS M. FEUERLICHT, Indianapolis, November 1, 1923.

MRS. SARA A. DINWIDDIE, Fowler, February 1, 1924.

LOUDON A. HARRIMAN, Princeton, April 4, 1924.

AMOS W. BUTLER, Secretary.

JOHN A. BROWN, Supervisor of Field Service.

L. H. MILLIKAN, State Agent for Dependent Children.

RAECHEL L. HILL, Inspector, License Department.

SENA M. BORGER, Agent for the Supervision of Outdoor Relief.

LAURA GREELY, Chief Clerk.

The Board of State Charities, established by the legislature of 1889, has supervision over the entire system of public charities and correction. While there has been no change in the organic act, which limited the board's powers to supervision only, the legislature from time to time has given it duties of a more or less administrative character.

- (1) In 1897, it established the State Agency for Dependent Children and made the board the agent of the state in the supervision of all orphans' homes and child-caring associations supported in whole or in part from public funds. Under this law, the state agents have regularly visited all children made public wards and placed in foster homes. There are now 2,897 children subject to visitation. During the past year the agents made 3,750 visits and found all but 224 or 5.1 per cent of the children doing well. The agents find homes for homeless children. Since the department was established they have placed 4,515 children in homes, 3,287 of which are now off public support. This year they investigated 311 applications for children and placed 258 children.
- (2) Since 1899, the board has been required to certify to the Auditor of State the daily average attendance of certain state institutions in order to secure for them additional allowances for maintenance of their population in excess of the number on which the regular appropriation was based. For the fiscal year ending September 30, 1921, the amount which thus became available upon certification of this board was \$92,078.06.

- (3) In the Juvenile Court Act of 1903, provision was made for the board to visit all institutions, public and private, caring for dependent or neglected children and also to pass upon the fitness of the associations proposing to incorporate for the purpose of caring for dependent, neglected or delinquent children.
- (4) A law of 1909 prohibits maternity hospitals and child-caring institutions, homes or agencies, public or private, from operating without an annual written license from the Board of State Charities. These two laws (3 and 4) have resulted in eliminating many disreputable agencies, in preventing the establishment of unnecessary charities and in raising the standards among those licensed. At the end of the fiscal year there were 172 licenses in effect.
- (5) The legislature of 1917 provided for the deportation of non-resident dependents and defectives to the place of their legal settlement. The law became operative October 1, 1917. During the past fiscal year the cases of ninety-one persons were investigated. Deported, 8; refused care in Indiana, 13; withdrawn, 10; referred to other agencies, 16; accepted for care in Indiana or found to have legal settlement here, 33; disputed cases adjusted, 2; pending at close of year, 9. Total expense of department for fiscal year, \$1,766.95.
- (6) Since 1917, also, the legislature has appropriated annually the sum of \$3,000 to the Board of State Charities, for a more thorough supervision of relief of the poor by township trustees. There are 1,017 township overseers of the poor. The relief given by them in 1920 amounted to \$417,230.13.

In connection with the general supervision of the public charities and correctional service of the state, the Board of State Charities inspected this year, as in the past, every state institution, county poor asylum, jail and children's home and every hospital having a maternity ward. Public officials and boards have been interviewed. All complaints of mismanagement have been investigated promptly. Plans for new institutions have been examined, as required by law. Regular quarterly and monthly, and in some instances, daily reports have been received from more than 1,300 officials.

The board takes advantage of every opportunity within its means to disseminate information concerning the charitable and correctional work of the state. It publishes an annual report, a quarterly bulletin and an occasional special bulletin. It prepares and distributes annually a pamphlet for use of ministers in observing "Prison Sunday." It is represented at the annual meetings of the National Conference of Social Work and the American Prison Association. The annual Indiana State Conference of Charities and Correction is held under its auspices. It participates each year in the meeting of the Indiana Society for Mental Hygiene. It frequently conducts local social welfare conferences, and by invitation its representatives address gatherings of business men, teachers, students, clubs, and others interested in social betterment.

PUBLIC CHARITIES AND CORRECTION

Public charities and correction are clearly defined as local and state. In the matter of expense, the largest single item is the maintenance of the state institutions; but in the number of persons affected, the local charities constitute by far the greater problem. The state institutions cared for 18,488 different persons during the past year. In the same length of time, though for a somewhat different period, 4,858 were in the county poor asylums, 25,547 in jails, 2,627 in orphans' homes, 12,991 "cases," represented by 44,253 persons, received aid from township trustees (ex-officio overseers of the poor). Of charity patients treated in local hospitals, no statistics have been compiled. There are also some private homes for the aged and a few private benevolent organizations receiving donations from county funds, whose beneficiaries might to some extent be considered public wards.

Back of all these are conditions which result in dependence and crime and which are clearly a community responsibility. The communities do not always recognize them nor do they realize their power for evil; consequently they do not fear them or make any effort to change them. So long as this local apathy continues, the burden of the state will grow. Two of the more prominent causes are tuberculosis and feeblemindedness. It is estimated that there are 35,000 cases of tuberculosis and 41,000 feebleminded persons in Indiana.

The state charitable institutions are: Five hospitals for the insane, located respectively in Indianapolis, Logansport, Richmond, Evansville and North Madison; the School for Feeble-Minded Youth, Fort Wayne; the Indiana Farm Colony for Feeble-Minded, under construction at Butlerville; Village for Epileptics, New Castle; Soldiers' Home, Lafayette; Soldiers' and Sailors' Orphans' Home, Knightstown, and the State Sanatorium, Rockville. There are also in Indianapolis the Indiana School for the Blind and the Indiana State School for the Deaf. While these are educational institutions, the pupils are boarded at state expense during the school year, and, if necessary, are provided with clothing and transportation to and from Indianapolis. The Robert W. Long Hospital of Indiana University, Indianapolis, is also a state charitable

The county charities are the poor asylum, the county hospital, county tuberculosis hospital, and the orphans' home. In the townships, the township trustee is ex-officio overseer of the poor. authority to maintain general hospitals and dispensaries.

There are three classes of correctional institutions: State, county and municipal. The State Prison, Michigan City; Reformatory, Jeffersonville; State Farm, Putnamville; Woman's Prison, Indianapolis; Boys' School, Plainfield, and Girls' School, Clermont, are maintained by the state. Jails are maintained by the counties; lock-ups and police stations by cities and towns.

At the head of the state system of public charities and correction is the Governor. Appointed by him is a Board of State Charities, which maintains general supervision, and a State Board of Accounts, which examines all financial records and prescribes methods of accounting. Each state institution has its board of trustees. Maintenance is provided by the legislature. In the counties, the poor asylums and jails and some of the orphans' homes and hospitals are maintained from funds appropriated by the county council and are managed by the Board of County Commissioners. Some orphans' homes and hospitals, while maintained largely from county funds, are owned and managed by private associations. In the townships, money necessary for the relief of the poor is drawn from the county treasury, which is afterwards reimbursed by the several townships, and the overseer of the poor acts as agent of the Board of County Commissioners in the administration of the funds. His office is the only township charity.

This briefly outlines the state's charities and correction system. Some idea of its extent and cost will be obtained from the following statistics:*

On September 30, 1921, state and local charitable and correctional institutions had 18,094 inmates, divided as follows: State institutions, 12,529; county poor asylums (August 31), 3,271; county jails, 741; orphans' homes, 1,553. New admissions to the above institutions during the year, which cannot well be totaled owing to duplications, were as follows: State institutions, 6,983; county poor asylums, 1,221; county jails, including recommitments, 24,984; orphans' homes, 696. During the calendar year 1920, township overseers of the poor aided 9,220 families and 3,771 persons not in families, a total of 12,991 "cases," represented by a total of 44,253 different persons.

The expense incurred by the above agencies amounted to \$6,858,824.07, as follows:

State institutions\$4,446,25	1 74
County poor asylums	3 23
Dependent children 511,38	0 78
County jails	8 19
Outdoor poor relief	0 13

Total\$6,858,824 07

^{*}Hospitals, lock-ups and police stations are omitted, no statistics being available.

STATISTICS OF PRINCIPAL PUBLIC CHARITIES BY COUNTIES*

·		Indoor	Relief (In	Public Insti	tutions)	•	Outdoor Relief
Counties	State Institu- tions Sept. 30, 1921	County Poor Asylums Aug. 31, 1921	County Jails Sept. 30 1921	Dependent Children Sept. 30 1921	Total Number in Institu- tions	Ratio to General Population One in:	Number Aided in 1920 by Township Overseers of the Poor
Out of State	9				9		
Adams Allen Bartholomew Benton Blackford	65 417 137 38 61	32 106 33 16 23	3 48 3	5 44 21 6 8	105 615 194 60 94	195.2 185.8 123.1 203.4 149.8	226 633 527 120 248
Boone Brown Carroll Cass Clark	78 18 62 191 155	27 9 16 40 26	1 1 9 7	7 13 6 27 7	113 40 85 267 195	208.6 175.4 191.9 144.3 150.6	273 26 241 1,021 383
Clay	155 122 29 117 80	33 34 9 12 29	2 4 2 5	10 14 1 5 4	200 174 41 134 118	147.2 159.4 273.1 200.4 169.4	472 585 39 266 415
Decatur Dekalb Delaware Dubois Elkhart	69 83 237 66 247	22 28 65 11 59	4 4 19	10 7 59 6 26	105 122 380 83 336	169.6 209.8 148.3 239.9 167.8	285 300 736 49 539
Fayette Floyd Fountain Franklin Fulton	92 145 112 47 45	24 39 38 24 22	3 5 6	6 5 8 11 10	125 194 164 82 77	137.1 158 114.7 180.5 214	151 414 722 94 117
Gibson Grant Greene Hamilton Hancock	120 256 120 100 81	25 67 26 33 21	3 7 5 6 2	25 45 9 5 5	173 375 160 144 109	168.7 136.9 229.7 168.2 157.8	438 1,389 442 271 257
Harrison Hendricks Henry Howard Huntington	65 100 155 151 117	15 27 48 38 39	2 2 4 6 1	2 9 11 12 19	84 138 218 207 176	222 147 159 212.3 179.9	135 170 509 1,285 232
Jackson Jasper Jay Jefferson Jennings	102 56 114 93 63	18 11 32 19 24	1 4	9 1 -2 12 2	133 68 149 124 93	182.1 205.3 156.4 167 142.7	589 182 365 384 192
Johnson Knox Kosciusko Lagrange Lake	102 154 99 35 612	33 21 40 14 130	2 3 85	17 31 14 15 106	152 208 156 64 933	136.4 222.3 173.8 218.8 171.2	588 1,073 393 134 2,464
Laporte. Lawrence Madison Marion Marshall	222 123 326 1,591 86	63 27 62 **461 34	18 13 210 2	15 9 56 216	318 159 457 2,478 122	158.6 171.2 152.4 140.4 194.6	898 479 1,091 4,013 392
Martin. Miami. Monroe. Montgomery Morgan	37 112 119 119 112	14 33 17 47 38	3 1 4 5 1	13 16 26	54 159 156 197 151	219.7 180.3 157.1 144.6 132.5	174 289 511 433 390

^{*}No statistics have been collected concerning charity patients in hospitals or the population of police-stations and lockups.

**Includes 281 at Marion County Insane Asylum at Julietta.

STATISTICS OF PRINCIPAL PUBLIC CHARITIES BY COUNTIES—Continued

		Indoor	Relief (In	Public Insti	tutions)		Outdoor Relief
Counties	State Institu- tions Sept. 30, 1921	County Poor Asylums Aug. 31, 1921	County Jails Sept. 30 1921	Dependent Children Sept. 30 1921	Total Number in Institu- tions	Ratio to General Population One in:	Number Aided in 1920 by Township Overseers of the Poor
Newton. Noble Ohio Orange. Owen.	37 77 15 60 51	11 16 5 7 15	3 4	14 16 3	48 110 20 86 73	211.3 204.2 201.2 197.3 174.7	144 282 30 151 155
Parke. Perry. Pike. Porter. Posey.	70 60 57 77 82	26 6 17 31 29	2 2 6 5	24 10 3 3	122 68 84 117 119	154.7 245.4 222.4 173.1 162.4	291 72 106 133 428
Pulaski Putnam Randolph Ripley Rush	48 203 99 88 95	13 29 38 21 28	1	1 2 16 13 16	63 234 154 122 139	196.5 84.9 171.9 153.2 138.4	108 197 325 92 305
Scott. Shelby. Spencer Starke Steuben.	24 143 76 40 45	12 26 23 7 22	6 3 1	2 13 11 1 6	38 188 113 49 73	195.3 138.2 162.8 209.7 183	48 367 165 97 111
St. Joseph Sullivan Switzerland Tippecanoe Tipton	350 120 32 244 54	84 33 8 54 19	52 2 5	. 44 8 4 31 3	530 163 44 334 76	194.9 206.7 211.6 128.1 212.5	1,411 641 73 759 190
Union. Vanderburgh. Vermillion. Vigo.	25 435 111 577	13 99 29 82	1 25 3 59	1 77 16 103	40 636 159 821	150.5 145.1 173.4 122	102 3,791 462 1,959
Wabash. Warren. Warrick. Washington.	94 40 75 52	20 19 12 30	3	36 8 3 1	150 67 90 86	180.3 144.7 220.6 193.5	349 123 188 104
Wayne. Wells. White. Whitley	259 70 75 50	59 36 21 17	20 5 1 2	23 12 1	361 123 98 69	133.3 166.7 177 226.9	937 138 147 127
Totals	12,529	3,271	741	1,553	18,094	161.9	44,253

THE STATE INSTITUTIONS

Real Estate (Acres)	268 76 96 160.25 107.65
Capacity	1,000 1,434 1,434 1,354 1,354 1,000 1,100 1,100 1,247 1,247 1,247 1,26 1,100 1,100 1,27 1,247 1,247 1,247 1,26 1,26 1,27 1,27 1,27 1,27 1,27 1,27 1,27 1,27
Opened	1822 1844 1844 1846 1868 1868 1873 1873 1873 1896 1896 1997 1911 1911
Establishment Authorized	1821 * 1844 1844 1844 1857 1859 1859 1859 1859 1859 1859 1859 1859
Post Office	Jeffersonville. Indianapolis. Indianapolis. Indianapolis. Michigan City Plainfeld Knightstown Knightstown Indianapolis. Fort Wayne Logansport Richmond Evansville Evansville R. B. I. Indianapolis R. M. Madison Neweastle Rockville Rockville R. Greenstle Rockville Rockville R. Greenstle Rockville Rockville Rudisovalle Rudisovalle Rockville Rudisovalle
INSTITUTION	Indiana Reformatory State School for Deaf. Cleartal Hospital for Insane Indiana State Prison Indiana State Prison Indiana State Prison Indiana State Prison Indiana Woman Prison Indiana Woman Prison School for Feeble-Minded Youth Northern Hospital for Insane Southern Hospital Indiana State Farm Indiana State Farm Indiana Farm Colony for Feeble-Minded

*Established originally as a prison; became the Reformatory in 1897.

*Established originally as a institution for both women and girls.

Feparated from the Woman's Prison by an act passed in 1903; moved to present location near Clermont, July 11, 1907.

*Moved to Fort Wayne, July 8, 1890.

THE STATE INSTITUTIONS

Movement of Population-Average Number of Officers and Employes-Year Ending September 30, 1921

				Inv	INMATES				Average
Institution	Number	Received	Discharged	Enrolled	Presen	Present September 30, 1921	0, 1921	Daily	Number Officers and
	Oct. 1, 1920	Year	Year	1921	Males	Females	Total	Attendance During Year	Employes
Central Hospital for Insane.	1,462	270	218	1,514	299	788	1,455	1,424.37	273.62
Eastern Hospital for Insane.	1,032	153	136	934	466	448	1,070	1,042.45	151.64
Southern Hospital for Insane	811	163 225	157	817	376	422	798	791.07	74.27
Soldiers' Home	1,104	250	342	1,232	164	428	1,232	1,219.90	190 269
Soldiers' and Sailors' Orphans' Home	325	49	31	343	185	117	302	256.15	202
m Colony for Feeble-Minded.	1,101	103	727	1, 1 58	62	828 1	1,395	1,397.67	37.45
age for Epileptics.	377	478	36	419	405	1 :1	405	389.46	68.24
State Sanatorium.	122	1 885	1 903	104	5.5	61	104	103.37	55.10
e School for Deaf	319	95	113	301	145	152	297	297	872
ndiana School for Blind	126	00.5	24	132	29	28	125	119.67	54
ndiana Reformatory	710	950	869 869	1,352	1,352		1,352	1,119.28	65 59
	320	1,726	1,502	544	540		540	434.47	36
ndiana Woman's Prison	73	156	138	91	:	91	91	85.42	21
ndiana Boys' School.	527	355	368	514 514	514	208	308 514	534.42	65.32 58.05
Total	12,342	8,109*	7,183	13,268	7,627	4,902	12,529	12, 170.92	2,015.86

*6,983 of these were new admissions.

THE STATE INSTITUTIONS

Expenditures for All Purposes (Exclusive of Rotary Funds), Year Ending September 30, 1921

	Grand Total	\$628,581,90 \$99,14, 30 \$99,14, 30 \$176,713,35 \$67,207,38 \$67,207,08 \$61,207,08 \$61,207,08 \$61,007,08 \$61,	\$4, 129, 137 24
	Total Extraordinary Expenditures	\$29, 976 00 94, 959 49 63, 959 47 11, 093 17 11, 093 11 11, 093 12 11, 093 12 11, 093 12 11, 093 13 11, 004 11, 004 11	\$419,848 72 \$4,
EXTRAORDINARY	Land and Permanent Improve- ments	\$14, 921 54 94, 959 49 95, 957 28 29, 957 28 5, 991 88 5, 992 88 6, 992 88 5, 000 00 8, 347 59 3, 347 59 1, 966 47 1, 966 47	\$220,381 35
I	New Buildings	\$15,054,46 53,399,47 11,033,12 6,638,86 24,483,16 4,279,44 4,279,44 4,279,44 4,279,44 4,279,44 4,279,44 4,249,48	\$199,467 37
	Total Current Expenditures	\$598, 605 90 304, 188 81 268, 577 89 176, 713 85 220, 609 25 56, 309 25 57, 488 89 57, 604 18 57, 604 18 57, 901 34 87, 9	\$4,026,403 02
	Repairs and Minor Improvements	886, 060 36 9, 460 50 9, 480 50 19, 521 00 10, 000 00 1000 00 10, 000 00 10, 000 00 10, 000 00 10, 000 00 10, 000 00 10,	\$265,400 91 \$4,026
ENT	Office, Domestic and Outdoor Departments	\$146, 822 58 100, 335 49 101, 331 63 65, 1011 289 43 111, 289 43 111, 289 43 111, 289 43 18, 289 44 111, 385 49 44, 335 49 12, 26, 488 14 11, 545 94 11, 545 94	\$1,403,297 35
CURRENT	Clothing	\$25,288 63 8,578 56 8,982 38 8,500 00 3,410 65 10,007 95 2,210 05 2,210 05 2,210 05 2,210 05 1,427 07 1,427 10 1,427 10	\$160,324 60
	Subsistence	\$142, 687 53 81,081 44 81,081 48 81,081 48 81,081 48 80,382 38 80,382 38 81,382 48 11,584 38 11,582 48 81,382 48 11,283 48 81,382 48 11,283 48 81,382 48 11,283 48 81,282 81 81,282 81 81,	\$839,289 27
	Administra- tion	\$197, 738 80 104, 732 82 89, 145 40 47, 840 44	\$1,358,090.89
•	Institution	Central Hospital for Insane. Northern Hospital for Insane. Eastern Hospital for Insane. Southern Hospital for Insane. Southern Hospital for Insane. Southers Home. Soldiers Home. Soldiers Home. Soldiers Home. Soldiers Thome. Soldiers Thome. Soldiers Thome. Soldiers And Saliors Orphans Home Solvol for Feeble Minded Youth Farm Colouy for Feeble Minded Yillage for Epileptics State Solvol for Deaf. Indiana State Prison Indiana State Prison Indiana Reformatory Indiana State Prison	Total

THE STATE INSTITUTIONS

Per Capita Cost of Maintenance (Current Expenses), for Year Ending September 30, 1921

Institution	Adminis- tration	Subsistence	Clothing	Office, Domestic and Outdoor Departments	Repairs and Minor Improvements	Total
Northern Hospital for Insane. Bastern Hospital for Insane. Bastern Hospital for Insane. Boutbern Hospital for Insane. Southern Hospital for Insane. Southern Hospital for Insane. Soldiers' Home. Soldiers' Home. Soldiers' Home. Soldiers' Home. Soldiers' Home for Feeble-Minded' Youth. State Chileptics. State Sanatorium. State Sanatorium. State Sanatorium. State Sanatorium. Indiana Reformatory. Indiana Reformatory. Indiana Reformatory. Indiana State Prison. Indiana Girls School. Indiana Girls School. Indiana Buys' School. Indiana Buys' School.	\$138 82 100 47 98 66 60 94 88 123 80 153 80 1123 80 123 80 124 48 127 69 127 69 129 24 169 24	\$100 18 5100 18 553 80 644 31 128 10 85 86 114 78 114 78 118 54 118 5	\$17 75 8 23 8 23 9 94 7 9 94 7 9 94 7 9 84 8 97 7 4 88 13 55 13 55 12 78 12 78 12 78 12 78 12 78 12 78 12 78 13 78 14 78 15 78 16 94 17 78 18 78 1	\$103 09 09 09 09 09 09 09 09 09 09 09 09 09	\$60 9.00 9.00 9.00 9.00 9.00 9.00 9.00 9.	\$420 26 291 80 201 80 2
						-

*Opened December 13, 1920. The figures are for 91/2 months.

STATE CHARITABLE AND CORRECTIONAL INSTITUTIONS

With the exception of the Soldiers' Home and the Robert W. Long Hospital, the state institutions, nineteen in operation and one in process of construction, are maintained by appropriations from the state's general fund, made biennially by the legislature. The Robert W. Long Hospital, being a part of Indiana University, is maintained partly from the funds of that institution, which are derived from a special tax levy. There is also an annual appropriation for the hospital and the school of medicine. The State Soldiers' Home receives a monthly allowance of \$24.00 for each member, officer and employe in the home. The state is subsequently reimbursed by the federal government at the rate of \$125.00 per annum for each soldier. The state is also reimbursed by the several counties for maintenance and clothing in certain of the institutions. Different ways are provided for paying transportation expenses.

The law requires that these institutions shall be conducted on a thorough non-partisan basis. Not more than two members of the board of trustees may be of the same political party.

The Robert W. Long Hospital is managed by a committee from the Board of Trustees of Indiana University. The Soldiers' Home and the Soldiers' and Sailors' Orphans' Home have each five trustees. boards of the other seventeen institutions have four members each. Only honorably discharged soldiers or sailors may serve as trustees of the Soldiers' Home and the Soldiers' and Sailors' Orphans' Home; none but women may be appointed on the boards of the Woman's Prison and the Indiana Girls' School; one member of the School for Feeble-Minded Youth board, the Soldiers' Home board and of the Soldiers' and Sailors' Orphans' Home board may be a woman. With the exception of the Indiana State Farm, the Robert W. Long Hospital and the Indiana Farm Colony for the Feeble-Minded, these trustees receive an annual compensation of \$300 each and reasonable expenses not to exceed \$125 a year. Each board appoints the superintendent of its particular institution, and the superintendent in turn appoints and discharges all officers and employes. Under a law passed by the Legislature of 1921, the trustees of the Soldiers' Home appoint not only the commandant, but the adjutant and four post surgeons. Such appointments must be made on the basis of fitness and regardless of political or religious affiliation. The trustees are forbidden to "solicit or request or in any way interfere with the appointment or discharge of any officer or employe." Campaign assessments are also forbidden (Laws 1907, p. 138).

Supplies are purchased by competitive bids, the contract being awarded to the lowest and best responsible bidder. A central committee, representing the institutions, standarizes the specifications and makes joint purchases of certain supplies.

The law requires annual reports, uniform in character, to be made to the Governor and printed for general distribution. Each institution also makes to the Governor a semi-annual report of all receipts and earnings. The Board of State Charities receives from each a quarterly statistical and financial report, and from all except the Soldiers' Home and the Robert W. Long Hospital a monthly report of admissions and discharges.

CENTRAL HOSPITAL FOR THE INSANE, INDIANAPOLIS

TRUSTEES

JOHN C. SHANKLIN, Frankfort. CHARLES JENKINS, Noblesville. EPH INMAN, Indianapolis. BURT V. PAGE, Mellott.

SUPERINTENDENT

DR. GEORGE F. EDENHARTER

The legislature of 1844 enacted a law setting aside a special tax of one cent on each one hundred dollars (\$100.00) worth of property listed for taxation, for the erection of a State Lunatic Asylum (Laws, 1844, p. 50). Steps were at once taken to carry out the requirements of the law. A site on West Washington street, three miles from the center of the city of Indianapolis, was purchased August 29, 1845, and the erection of buildings was begun, but it was not until 1848 that it was possible to receive patients. The first was admitted November 21st of that year. The name was changed first to the Indiana Hospital for the Insane (Laws 1846, p. 220) and later to the Central Indiana Hospital for the Insane (Laws 1889, p. 391). This institution is one of the largest of its kind in the United States. The district from which it receives patients contains twenty-two counties.

The hospital has a pathological laboratory, completely equipped for scientific study and investigation. A lecture course for physicians and medical students is maintained.

Patients are received on voluntary application or by commitment of an insanity commission, consisting of a justice of the peace in the proper county and two reputable practicing physicians, selected by him or by the judge of the Circuit or Superior Court. The finding of the commission is filed with the Clerk of the Circuit Court, who is responsible for the patient thereafter until received by the state hospital. Clothing and transportation are furnished at county expense, if necessary. Unless otherwise furnished, the first supply of clothing is purchased by the Clerk of the Circuit Court; after admission to the hospital it is furnished by the superintendent, who transmits a bill therefor to the county through the Treasurer of State. All other expenses of the hospital are paid by the state. The hospital may collect for maintenance at the rate of \$4 per week from the estate of a patient if that estate is not needed for the support of near relatives.

The annual report of the hospital for 1915 contains a valuable history of the institution's development.

NORTHERN HOSPITAL FOR THE INSANE, LOGANSPORT

TRUSTEES

JOHN F. McCLAIN, Marion. MOSES EPSTEIN, Frankfort. HENRY B. WILSON, Delphi. C. W. ISENBARGER, LaCrosse.

SUPERINTENDENT

DR. SAMUEL DODDS

The General Assembly of 1883, by an act, approved March 7, made provision for the erection of three additional hospitals for the insane (Laws, 1883, p. 164). The first of these to be opened was the Northern Hospital, located a mile west of Logansport and popularly known as Longcliff. The site was purchased October 4, 1883. The work of construction, which was on the "block plan," began in the following summer, but was discontinued in 1886 because of the exhaustion of funds. It was not until July 1, 1888, that the first patients were received. These came at first from all parts of the state but the hospital is now limited to the care of patients from sixteen counties, designated the northern district for the insane (Laws, 1889, p. 391). The laws governing the commitment of patients to the Central Hospital for the Insane and the expense of clothing and transportation apply also to this hospital.

EASTERN HOSPITAL FOR THE INSANE, RICHMOND

TRUSTEES

THEODORE BAILEY, Portland.
WALTER S. CHAMBERS, New Castle.
MRS. A. K. V. KENNEDY, Liberty.
ED PAUL, Cambridge City.

SUPERINTENDENT

DR. SAMUEL E. SMITH

The Eastern Hospital for the Insane, "Easthaven," located a short distance west of Richmond, was the second of the "additional hospitals" to be opened. The site was purchased August 9, 1883. The hospital has a colony called "Wayne Farms," established in 1913. The institution is constructed on the cottage plan. The arrangement is in the form of a modified quadrangle with the power house in the center and the cottages on two sides and part of the front. The eastern district for the insane which is tributary to this hospital, comprises sixteen counties in eastern Indiana. Some of the buildings were completed in 1887 and were occu-

pied by the School for Feeble-Minded Youth. The school was moved to its new location July 8, 1890, and on August 4, following, the Eastern Hospital received its first patient. The laws governing the commitment of patients to the Central Hospital for the Insane and the expense of clothing and transportation apply also to this hospital.

SOUTHERN HOSPITAL FOR THE INSANE, EVANSVILLE

TRUSTEES

BIRD H. DAVIS, Newport. WARD POSEY, Terre Haute. JOSEPH T. AKIN, Sullivan. J. L. BAYARD, Jr., Vincennes.

SUPERINTENDENT

DR. CHARLES E. LAUGHLIN

The Southern Hospital for the Insane, "Woodmere," was the only one of the three "additional hospitals" whose location was fixed by the legislature (Laws, 1883, p. 164). The law, approved March 7, 1883, stated that one of these should be located at or near Evansville. The site purchased on January 3, 1884, is four miles east of the city. The original building is an arrangement of wings radiating from the central block. Additional wings have been added from time to time. The first patients were admitted October 30, 1890. The hospital receives patients from what is known as the southern district for the insane, composed of the fifteen counties which form the southwestern part of the state. The laws governing the commitment of patients to the Central Hospital for the Insane and the expense of clothing and transportation apply also to this hospital.

THE SOUTHEASTERN HOSPITAL FOR THE INSANE, NORTH MADISON

TRUSTEES

EDWARD S. ROBERTS, Madison. JOHN F. RUSSELL, Greensburg. JAMES W. LILLY, Indianapolis. JOHN T. GUNN, Bedford.

SUPERINTENDENT

DR. JAMES W. MILLIGAN

The crowded condition of the Central Hospital for the Insane led the General Assembly of 1905 to set aside fifteen of the thirty-eight

counties then constituting the central district, as the southeastern district, and to establish therein an additional hospital (Laws, 1905, p. 26). Under authority granted by an act approved February 21, 1905, the Governor, August 2, 1910, added Decatur county to the southeastern district. Harrison, Rush, Fayette, Vigo, Clay, Owen and Morgan counties were added June 8, 1911, making 23 counties in all in the district. On September 4, 1905, the commission created by the act selected a site containing 363.79 acres near the city of Madison overlooking the valley of the Ohio river. The buildings are on the cottage plan. The hospital was opened by proclamation of Governor Thomas R. Marshall, August 2, 1910, and the first patients were received August 23, 1910. They were transferred from the Central Hospital. Altogether 511 patients were received by transfer, 476 from the Central Hospital and 35 from the Eastern Hospital. A farm of 733 acres was purchased in 1918 for colony purposes. The laws governing the commitment of patients to the Central Hospital for the Insane and the expense of clothing and transportation apply also to this hosiptal.

SOLDIERS' AND SAILORS' ORPHANS' HOME, KNIGHTSTOWN

TRUSTEES

DANIEL F. MUSTARD, Anderson. IDA S. McBRIDE (Mrs. R. W.), Indianapolis. JAMES S. ENGLE, Winchester. JOSEPH MINTURN, Indianapolis.

SUPERINTENDENT

LUTHER SHORT

The Indiana Solders' and Seamen's Home for the maintenance of sick and disabled soldiers and seamen, their widows and orphans, was authorized by an act approved March 11, 1867 (Laws, 1867, p. 190). It was formally opened June 15, 1867, in the Home for Disabled Soldiers, previously established at Knightstown by a private corporation. On the morning of December 25, 1871, fire destroyed that part of the institution occupied by the soldiers and they were moved to the National Military Home at Dayton, Ohio. The orphans were left in full possession of the home until the legislature of 1879 provided for the care therein of feeble-minded children (Laws, Special Session, 1879, p. 76). The two classes of inmates were maintained in the home until 1887, when the institution was reorganized as the Soldiers' and Sailors' Orphans' Home (Laws, 1887, p. 16), and the feeble-minded children were removed to new quarters. The home has twice been destroyed by fire—September 8, 1877, and July 21, 1886—but in each case promptly rebuilt. It is located in Rush County, two miles south of Knightstown. Educational, religious and industrial training is given.

The law provides for the admission of orphans and children of honorably discharged soldiers, sailors, marines and nurses of the United States, of the Civil War, or the war with Spain, or the war in the Philippine Islands, the China relief expedition, or the war with Germany, or in the regular service of the United States, residing in this state, under the age of sixteen years, who may be destitute of means of support and education. They may remain in the home until 18 years of age unless sooner discharged for cause. The control of the child remains with the person who applies for its admission and must be returned upon written application if the trustees are satisfied with the conditions of the home to which the child is to be taken. Blank application papers may be obtained by addressing the superintendent. If transportation is not otherwise provided, it can be obtained from the township trustee. It will be paid by the county if the child is a county ward. All the expense of maintaining the institution is borne by the state.

THE STATE SOLDIERS' HOME, LAFAYETTE

TRUSTEES

WINFIELD T. DURBIN, Anderson.
MRS. CAROLINE B. MORRISON, Lafayette.
J. BENNETT LYONS, Brook.
D. N. FOSTER, Fort Wayne.
DR. CLARK ROGERS, Indianapolis.

COMMANDANT

GILBERT R. STORMONT

After the Soldiers' and Seamen's Home at Knightstown was burned, in 1871, the state made no provision for the care of this class of citizens until the Indiana State Soldiers' Home was opened in July, 1896, at Lafayette. This home is "an institution for the support of disabled or destitute soldiers, sailors and marines and their wives or the destitute widows of such soldiers, sailors and marines." It was established by an act approved February 23, 1895 (Laws, 1895, p. 40).

While the men who have served the United States in any of its wars can be received, preference may be given to Indiana military organizations. The wives and widows of Civil War veterans cannot be received unless they are over 45 years of age and the contract of marriage was entered into more than two years prior to the passage of the act of 1911. Only such as are without means of support and who are, and for five years immediately preceding application have been, residents of the state are eligible to admission (Laws, 1915, p. 595, and Laws, 1921, p. 492). Honorably discharged, destitute army nurses who were citizens of Indiana when employed and have been such for one year immediately preceding application may also be received (Laws, 1905, p. 46). Application blanks are furnished by the home.

The home is supported by the state at the rate of \$24 per month for each member, officer and employe thereof. The state is reimbursed by the United States to the extent of \$125 per year for each soldier. Under certain circumstances, the board of trustees has authority to require pensioned members to turn over to the state all their pension in excess of a specified amount, and this can be used by the board of trustees in any manner that will add to the comfort and welfare of the members (Laws, 1921, p. 493). The institution buildings include a number erected by the state and several frame cottages constructed by counties or by private funds.

SCHOOL FOR FEEBLE-MINDED YOUTH, FORT WAYNE

TRUSTEES

JAMES W. SALE, Bluffton. EDWARD M. WILSON, Fort Wayne. MRS. E. A. GOULD, Peru. T. F. FITZGIBBON, Muncie.

ACTING SUPERINTENDENT MELVIN DRUCKEMILLER

Mention has already been made of the law approved March 15, 1879, which established "The Asylum for Feeble-Minded Children" as an adjunct to the Soldiers' and Sailors' Orphans' Home at Knightstown. The department set aside for this purpose was occupied November 1, 1879. In 1887, the legislature, by an act approved March 7, gave the institution an independent existence, changed its name to the Indiana School for Feeble-Minded Youth, appropriated necessary funds for the erection of a new institution at Fort Wayne and authorized the trustees to take immediate charge of the feeble-minded children then at the asylum (Laws, 1887, p. 47). The present site at Fort Wayne was purchased May 19, 1887. Certain buildings of the Eastern Hospital for the Insane at Richmond were utilized as temporary quarters for the children from May 1, 1887, to July 8, 1890, when the new institution was opened.

The admission of inmates is regulated by Chapter 192 of the Acts of 1911 and Chapter 41 of the Acts of 1919. Feeble-minded and idiotic children between the ages of six and sixteen years are received on voluntary application of parents or guardians or by Circuit Court commitment. For these the school maintains both a custodial and an educational department. The institution has two farm colonies. The first was begun on leased land in 1893 and afterward established permanently on a farm purchased by the state (Laws, 1895, p. 312), thus recognizing the principle of colony farms. A second farm was purchased in 1918.

Feeble-minded women from sixteen to forty-five years of age, "who are not pregnant or helpless, and who are not afflicted with any contagious or communicable disease," are received, if there is room, when committed by the Circuit Court. This department was authorized by the General Assembly of 1901 (Laws, 1901, p. 156). Two cottages with a capacity of 118 and 144, respectively, have been built for this class of inmates. Admission blanks are supplied by the superintendent on request. For the commitment of adult women, any person may file a petition with the Clerk of the Circuit Court. The cost of the proceedings is paid by the county. The county, if necessary, furnishes clothing and transportation. The state bears all maintenance expense, except of inmates who have sufficient estate of their own or whose parents or guardians are able to pay, in which event the board of trustees may require them to pay for or contribute to their support.

THE FARM COLONY FOR FEEBLE-MINDED, BUTLERVILLE

TRUSTEES

WM. P. KELLER, Columbus.
WILLIAM AITKENHEAD, Lafayette. ELMER E. SCOTT, Madison.
WILLIAM L. CLARK, Seymour.

SUPERINTENDENT

ERNEST E. CHENOWETH

Indiana's newest state institution, the Farm Colony for the Feeble-Minded, was established in 1919 (Laws, 1919, p. 480) and opened December 13, 1920. It is located on a tract of 1,813.71 acres of land, seven miles east of North Vernon. Postoffice, Butlerville. Inmates are received on commitment by the Circuit Court, if there is room in the institution and if the superintendent determines that the case is admissible. An examination is conducted by two physicians appointed by the court. Application may be made by any reputable citizen of the county concerned, without becoming liable for any of the costs arising therefrom. Clothing and transportation are furnished by the county. Unless otherwise provided, the first supply of clothing is purchased by the Clerk of the Circuit Court; thereafter, by the institution, the bill therefor being sent to the county through the Treasurer of State. All other expenses of the institution are paid by the state. If an inmate has an estate or if his parents are financially able to pay for his support, the state is reimbursed a definite amount fixed by the board of trustees.

THE INDIANA VILLAGE FOR EPILEPTICS, NEWCASTLE

TRUSTEES

DR. WILMER CHRISTIAN, Indianapolis. HARRY C. SCEARCE, Mooresville. RUSH G. BUDD, Rushville. I. M. BRIDGEMAN, Brookville.

SUPERINTENDENT

DR. W. C. VAN NUYS

The Village for Epileptics was authorized by an act approved March 6, 1905, and a 1,245-acre site (afterward increased to 1,334.8 acres) near Newcastle was purchased one year later. The purpose of the institution is "the scientific treatment, education, employment and custody of epileptics" (Laws, 1905, p. 483). The first patient was received September 16, 1907. All epileptics having a legal settlement in the state are admissible, on commitment by the Circuit Court. The petition for commitment must be filed by a "reputable citizen of the county." A medical examination is conducted by two physicians appointed by the court. Hopeful cases have the preference in all admissions. No hopelessly or violently insane persons can be received. If not otherwise provided, clothing is furnished, first by the Clerk of the Circuit Court at county expense, and afterward by the institution. In the latter event, the state is reimbursed by the county. The traveling or incidental expenses of both patients and attendants to and from the Village are paid by the county. Except for the clothing account, the institution is maintained by the state. The Village may collect for maintenance at the rate of \$4 per week from the estate of a patient if that estate is not needed for the support of near relatives.

INDIANA STATE SCHOOL FOR THE DEAF, INDIANAPOLIS

TRUSTEES

WARREN F. BIGLER, Wabash.
WM. M. WALDSCHMIDT, Cannelton.
KIRBY RISK, Lebanon.
JOHN C. WILLIAMS, Anderson.

SUPERINTENDENT

O. M. PITTENGER

"The Asylum for the Education of the Deaf and Dumb" was authorized by an act of the legislature, approved January 15, 1844 (Laws, 1844, p. 36). The institution was opened in a rented building on the

southeast corner of Illinois and Maryland streets, Indianapolis, October 1, 1844. On October 1, 1846, the school was moved to a larger building on the south side of Washington street, between Pennsylvania and Delaware streets. A site on East Washington street was acquired in 1846, and the building erected thereon was occupied October 2, 1850. An act of the legislature of 1903 (Laws, 1903, p. 400) provided for the re-location of the school. On May 12, 1905, a commission composed of the Governor, the Attorney-General and the board of trustees of the institution, purchased a tract containing 76.93 acres of land four miles north of the center of Indianapolis. The school was opened there October 11, 1911. The name of the institution was changed by the legislature of 1907 to the Indiana State School for the Deaf (Laws, 1907, p. 138).

This is an educational institution, so classified by law. It is open to all deaf children residents of the state and of suitable capacity for receiving instruction from eight to twenty-one years of age. Attendance is compulsory for children between the ages of seven and eighteen years, provided their application is accepted by the board of trustees (Laws, 1913, Chapter 213). The law requires parents and guardians to furnish all necessary clothing and pay traveling expenses. All other expenses are borne by the state. If the superintendent provides clothing and transportation for indigent children, he files a bill thereof with the Treasurer of State, who collects the amount from the proper county. Pupils are received on application to the superintendent, who furnishes the necessary blanks. The school year is nine months, beginning ordinarily in September and closing in June.

INDIANA SCHOOL FOR THE BLIND, INDIANAPOLIS

TRUSTEES

WALTER E. RICH, Indianapolis. W. D. BYNUM, Indianapolis. ELLA MARSH HOUGH (Mrs. William), Greenfield. CHARLES BUTLER, Crawfordsville.

SUPERINTENDENT

GEORGE S. WILSON

By an act approved January 27, 1847, provision was made for the establishment of the Indiana Institute for the Education of the Blind (Laws, 1847, p. 41). On October 1, 1847, the school was opened in rented property, the building contemplated by the law not being ready for occupancy until about the middle of February, 1853. This building, located on North street, between Pennsylvania and Meridian streets, Indianapolis, is still in use. The name of the institution was changed in 1907 to the Indiana School for the Blind (Laws, 1907, p. 138). The purpose of the school is purely educational. Four distinct and well-

equipped departments are maintained: (1) physical culture; (2) manual and industrial training; (3) the school of music, and (4) the school of common and high school branches. What has been said regarding the admission of pupils and the maintenance expense of the School for the Deaf applies also to the School for the Blind.

THE INDIANA STATE SANATORIUM, ROCKVILLE

TRUSTEES

MRS. NEVADA DUNCAN, Cloverdale.
JAMES S. WRIGHT, Vevay.
CLEMENT KELLY, Clayton.
PARK BEADLE, Rockville.

SUPERINTENDENT

DR. AMOS CARTER

By an act approved March 8, 1907, the General Assembly authorized the establishment of a hospital for the treatment of incipient pulmonary tuberculosis (Laws, 1907, p. 198). The commission created by the act selected a site, containing 504 acres, four miles east of Rockville and purchased it in September, 1908. The hospital was opened April 1, 1911. The name was changed by the legislature of 1919 to "The Indiana State Sanatorium."

Only such persons, having legal settlement, as are afflicted with incipient pulmonary tuberculosis can be received. The law gives preference to indigent or partially indigent citizens. Such persons are received on the certificate of the township trustee as to their ability, or inability, to pay, and of a physician that the disease is in the incipient stage. If there is room in the hospital, after indigent and partially indigent patients are provided for, other citizens may be received at their own The hospital charges not to exceed \$9.00 per week for care and treatment. Whatever is not paid by the ptients themselves is made up by the county, but the county has a right of action against pay patients and part-pay patients who neglect to pay the amount fixed in their application. There is no age limit. The superintendent is prohibited from accepting any patients whose disease is beyond the incipient stage. Traveling expenses of indigents to and from the hospital are paid by the township trustee from the poor fund. The state bears all the expense of maintaining the hospital.

THE ROBERT W. LONG HOSPITAL, INDIANAPOLIS

TRUSTEES

J. W. FESLER, Indianapolis. SAMUEL E. SMITH, M. D., Richmond. BENJAMIN F. LONG, Logansport.

ADMINISTRATOR

ROBERT E. NEFF

The Robert W. Long Hospital of Indiana University was established through the generosity of Dr. and Mrs. Robert W. Long, their desire being to make it possible "for worthy persons of limited means from all parts of Indiana to secure hospital advantages and the services of the best physicians." Their bequest was accepted by the General Assembly of 1911, and the faith of the state was pledged to carry out its object (Laws, 1911, Chapter 8). The hospital was opened June 15, 1914. The trustees of Indiana University are charged with its administration. A training school for nurses is conducted, and the University Department of Social Service has its office in a building nearby.

The hospital is located at No. 1076 West Michigan street, about one mile from the center of the city of Indianapolis. It is open to patients requiring medical, surgical, orthopedic or obstetrical care. All persons who are wards of the state and persons who are certified by township trustees or other qualified authorities to be unable to pay, are admitted and cared for free of charge. Pay patients are received at rates fixed by the management.

INDIANA STATE PRISON, MICHIGAN CITY

TRUSTEES

JOHN B. STOLL, South Bend.
JOHN L. MOORMAN, Knox.
MICHAEL E. FOLEY, Indianapolis.
JESSE C. ANDREW, West Point.

WARDEN

EDWARD J. FOGARTY

This institution was established by authority of an act, approved March 5, 1859, providing for the erection of a prison in that part of the state north of the National Road (Laws, 1859, p. 135). It was first known as the Northern Indiana State Prison. Its site at Michigan City was chosen March 1, 1860, and approved by the Governor the next day. The organic law required that a certain number of convicts should be transferred from the Jeffersonville prison and their labor utilized in the work of construction. The first detachment of these arrived at Michigan

City, April 5, 1860, and was housed in temporary quarters. The new institution was made a receiving prison by an act approved June 1, 1861 (Laws Special Session, 1861, p. 81), and from that day until April 1, 1897, was the place of confinement for all males sentenced to State Prison from the counties north of the National Road. An act approved February 26, 1897 (Laws, 1897, p. 69), converted this institution into the Indiana State Prison for the incarceration of men convicted of any crime, the sentence for which is death or life imprisonment, also all men thirty years of age or over, convicted of felony in any court in the state, and men transferred from the Indiana Reformatory. The institution is maintained wholly by the state. The counties pay transportation expenses of sheriffs and prisoners.

The Indiana Hospital for Insane Criminals was established under Chapter 87 of the Acts of 1909. It was opened October 12, 1912. Its grounds adjoin the state prison enclosure and it is under the same management. To this hospital, state prison and reformatory inmates, adjudged insane by a lunacy commission, can be committed on the order of the Governor. The law requires that the "next friend" or a relative shall be notified of the proposed inquest and he may be present if he so desires. It further requires that a notification shall be sent to the secretary of the Board of State Charities. The defendant in a criminal cause, if found to be insane, may be committed to this hospital by the court, and insane convicts in any state hospital for the insane may be transferred thereto. Inmates are held so long as their insanity continues. Insane criminals must be returned to the penal institution from which they were transferred if they recover their sanity before the expiration of the term for which they were sentenced.

INDIANA REFORMATORY, JEFFERSONVILLE

TRUSTEES

THOMAS A. DAILY, Indianapolis. CHARLES MOUCH, New Castle. JOSEPH E. HENNING, Anderson. W. W. CAVE, French Lick.

SUPERINTENDENT

GEORGE A. H. SHIDELER

The first state institution established in Indiana was the State prison at Jeffersonville. It was authorized by an act of the legislature, approved January 9, 1821 (Laws, 1821, p. 24). The first prisoner was received November 1, 1822. Provision was made by the legislature of 1859 for another prison north of the National Road (Laws, 1859, p. 135). It was opened at Michigan City in 1860. From that date until 1897 the institution at Jeffersonville was known as the Southern Indiana State Prison and its prisoners were committed from the counties south of the National Road. In accordance with an act, approved February 26,

1897 (Laws, 1897, p. 69), the State Prison South, on April 1st of that year became the Indiana Reformatory.

Men who are more than sixteen and less than thirty years of age, convicted of felony in any court in the state, are committed, unless the sentence is death or life imprisonment, to the custody of the board of trustees of the Reformatory to be confined by them at the Reformatory or such other place as they may determine. With the consent of the Governor, the board of trustees can transfer to the State Prison any inmate who is found to have been more than thirty years of age at the time of his conviction, or to have been previously convicted of felony; and it may also transfer any apparently incorrigible prisoner, whose presence in the Reformatory appears to be seriously detrimental to the well-being of the institution, or one who has been adjudged insane under the law establishing the Indiana Hospital for Insane Criminals.

All expenses of the institution are borne by the state. Location, in the town of Clarksville, adjoining Jeffersonville on the west.

THE INDIANA STATE FARM, PUTNAMVILLE

TRUSTEES

CHARLES C. HEUSTIS, Greencastle. SHERM A. TROUT, Crawfordsville. CLAUDE GREGG, Vincennes. WILLIAM C. BALL, Terre Haute.

SUPERINTENDENT

RALPH HOWARD

The Indiana State Farm for male misdemeanants corresponds in purpose to the Correctional Department of the Woman's Prison. Both are designed to receive persons convicted of misdemeanor, who under previous laws served their sentence in county jails.

The State Farm is located on a tract of 1,892 acres, about three-fourths of a mile west of Putnamville and six miles south of Greencastle. It was established by authority of Chapter 236, Acts of 1913, following the recommendation of a legislative commission, created by Concurrent Resolution No. 4, General Assembly of 1911. A commission, appointed May 30, 1913, by Governor Samuel M. Ralston, purchased the site and made its report to the Governor April 28, 1914. The Board of State Charities, under date of May 4, 1914, formally approved the site, as provided by law. The first board of trustees was appointed August 17, 1914.

The law provided that the preliminary construction should be done by prisoners from the State Prison and the Reformatory. The first to arrive were 24 men from the State Prison, November 30, 1914. They were housed in tents. Twelve men were transferred from the Reformatory February 11, 1915. By April 12, 1915, a storeroom, a kitchen and dining-room and one dormitory building were ready for use, and the farm received its first committed men on that day.

This is an industrial farm colony. It is being built and its many activities are being carried on by the prisoners themselves. The law governing commitments (amended by Chapter 33 of the Acts of 1919) provides that men over sixteen years of age, convicted of misdemeanor by Circuit, Superior, Criminal or City Courts, shall be sentenced to the State Farm. A proviso authorizes the judge to commit the defendant to the jail or workhouse if the sentence is thirty days, or less, or if the fines and costs assessed would require him to serve not more than thirty days.

The maintenance expenses are paid by the state. Transportation to the farm is paid by the counties. The expense of returning a discharged prisoner to the place of his commitment or to such place equally distant as he may choose to go, is paid by the state and reimbursed by the counties.

INDIANA WOMAN'S PRISON, INDIANAPOLIS

TRUSTEES

MRS. CHARLOTTE J. DUNN, Indianapolis. MRS. ALICE WILKIE POYNTER, Sullivan. MISS MARGARET NEELY, Martinsville. MRS. JOSEPH B. KEALING, Indianapolis.

SUPERINTENDENT

MISS MARGARET M. ELLIOTT

The Indiana Reformatory Institution for Women and Girls was founded by an act of the General Assembly, approved May 13, 1869 (Laws, 1869, p. 61). The institution, located about one and threefourths miles from the center of the city of Indianapolis, was opened October 4, 1873, there being received that day all the women then imprisoned in the State Prison at Jeffersonville. While the organic act provided for separate buildings for the women and girls, both were housed under one roof. The name of the institution was changed first to the Reform School for Girls and Woman's Prison (Laws, 1889, p. 322), and ten years later the two departments were made distinct and called the "Industrial School for Girls" and the "Indiana Woman's Prison" (Laws, 1899, p. 22). This change in name, however, did not obviate the unsatisfactory conditions growing out of the dual nature of the institution, and in 1903, the legislature authorized the erection of new buildings for the girls (Laws, 1903, p. 524). It was stipulated that the new location was to be outside of Indianapolis, but within ten miles thereof. The girls were moved in July, 1907. The quarters thus vacated were remodeled and occupied as the Correctional Department of the Indiana Woman's Prison, established by Chapter 135 of the Acts of 1907. To this department are committed women misdemeanants above the age of commitment to the Indiana Girls' School (eighteen years). If "the imprisonment adjudged is 30 days or less, or if the fine and costs assessed, when not paid or replevied, would not require the defendant to serve more than 30 days," it is left to the discretion of the court to commit the offender to the Correctional Department or to the county jail or workhouse. All the expenses of this department are borne by the state, the respective counties paying the transportation of the committed prisoners. The Woman's Prison proper receives women, more than eighteen years of age, convicted of a felony by any court of competent jurisdiction. The state bears all expenses, both of maintenance and transportation. The indeterminate sentence law applies to the prison, but not to the Correctional Department.

The law requires that the superintendent and the members of the board of trustees shall be women.

INDIANA GIRLS' SCHOOL, CLERMONT

TRUSTEES

MRS. SAMUEL M. RALSTON, Indianapolis. DR. AMELIA R. KELLER, Indianapolis. MRS. ELLA F. BALLARD, Crawfordsville. MRS. FRANCES BEADLE, Lafayette.

SUPERINTENDENT

DR. KENOSHA SESSIONS

First established in 1869 as a part of the Indiana Reformatory Institution for Women and Girls, in Indianapolis, this institution has been variously known as the Reform School for Girls (1889), the Industrial School for Girls (1899), and the Indiana Girls' School (1907). It was housed in the same group of buildings as the Woman's Prison until July 11, 1907, when it was moved to a new location as authorized by an act approved March 11, 1903 (Laws, 1903, p. 524). The new school, constructed on the cottage plan, is located on a farm of 127½ acres, seven and one-half miles northwest of Indianapolis. Its post office address is Rural Route B 1, Indianapolis.

Girls from 10 to 18 years, inclusive, are committed by the several juvenile courts to the custody of the board of trustees, to be confined at the school or such other place as may be designated by the board, where they can be most faithfully and properly cared for, until they reach the age of 20, unless sooner released by the board. The board, with the consent of the Governor, may transfer to the Woman's Prison any girl more than 18 years old, who has been committed for crime and whose presence is detrimental to the school. The law prohibits the commitment of a girl who is epileptic, insane, feeble-minded, paralytic, or afflicted with a contagious disease, and should this condition (except the last named) develop within six months after commitment, or if within the same time a girl is found to be pregnant, she may be returned to her county (Laws, 1909, Chapter 171, as amended by Laws, 1911, Chapter 262, and Laws, 1913, Chapter 266).

The school is maintained by the state, the counties paying one-half the estimated cost of support. When a girl is committed at the instance of her parents or guardians, they shall if able to do so, pay the cost of her transportation to the school and of her clothing and subsistence while an inmate there.

The law provides that the superintendent and the members of the board of trustees shall be women.

INDIANA BOYS' SCHOOL, PLAINFIELD

TRUSTEES

EDWIN M. CARTER, Rockville. JESSE A. GREEN, Fort Wayne. PERRY DAVIS, Clarkshill. JACOB G. DEPREZ, Shelbyville.

SUPERINTENDENT

CHARLES A. McGONAGLE

The Constitution of Indiana (1851, Art. 9, Sec. 2) declared that the state should provide houses of refuge for the correction and reformation of juvenile offenders. The first action of the General Assembly looking to this end was the law approved March 8, 1867, establishing "the House of Refuge for Juvenile Offenders" (Laws, 1867, p. 137). The institution was located on a farm one mile southwest of the village of Plainfield and was occupied January 1, 1868. Its name was changed in 1883 to the Indiana Reform School for Boys (Laws, 1883, p. 19), and twenty years later to the Indiana Boys' School (Laws, 1903, p. 172).

The school receives boys from ten to sixteen years of age committed for violation of criminal laws and from ten to seventeen years for incorrigibility, no commitment being for a shorter period than until the boy attains the age of twenty-one years. The boys are committed by the several juvenile courts to the custody of the board of trustees of the school, to be confined there or in any place designated by the board, where they can be most faithfully and properly cared for. The naw specifies that no boy shall be committed to the school "who is not of sound intellect and free from cutaneous and other contagious diseases, or who is subject to epileptic or other fits." The board has authority to release the boys at any time on trial and may, at its discretion, discharge them at the age of eighteen. With the consent of the Governor, the board may transfer to the Indiana Reformatory any boy convicted of crime, who is more than seventeen years old and whose presence in the school is detrimental (Laws, 1903, p. 251).

The state maintains the institution and is reimbursed by the counties having boys there to the extent of one-half the estimated cost of support, not including the use of the grounds and buildings.

The institution has its own schools, graded like those of the public schools. It also provides manual and industrial training.

REPORT OF STATE BOARD OF TAX COMMISSIONERS

MEMBERS OF THE BOARD

JOHN J. BROWN, Chairman. WILLIAM A. HOUGH, Commissioner. PHILIP ZOERCHER, Commissioner. WILLIAM C. HARRISON, Secretary.

Nothing is more certain than death and taxes. The average citizen is willing to spend time and money to ward off the first but pays too little attention to the latter, until payment is due.

Organized society pre-supposes the payment of taxes. Without them no government can be maintained, and it becomes the duty of every citizen to contribute his share. Under the laws of our state the citizen's share depends upon the amount of property he owns.

It is the duty of the State Board of Tax Commissioners and the assessing officers to secure an equitable assessment of all property.

It is the inequality of assessments that shifts taxes from one to the other. Indiana today has the most equitable assessment it ever had. There are still some inequalities which we hope will be corrected. It is the duty of the public to assist the assessing officers to get correct valuations for only in correct valuations can we have a square deal in taxation.

Assessments do not make taxes, they only form the basis on which taxes are levied.

Tax levies determine the amount of taxes that are paid and these depend upon the amount of money that is to be spent by the various taxing units.

During the year 1921, there was paid in taxes in the State of Indiana about \$40,000,000 more in taxes than was paid in 1920. This was due to increase in the budgets of proposed expenditures and consequent increasing in the levies in the various taxing units in the state.

The tax levies fixed in 1919 which determined the taxes paid in 1920 were all finally fixed by the State Board of Tax Commissioners. This power to finally fix the tax levies on the part of the State Board of Tax Commissioners was taken away by the special session of July, 1920, and the power to review tax levies was given the county council on complaint of twenty or more taxpayers. Only in two counties was this power invoked.

The last regular session of the legislature amended the law by requiring publication in local papers the budget of proposed expenditures and giving the State Board of Tax Commissioners the power to finally fix the levies on complaint of ten or more taxpayers from the taxing unit. In other words this board can only acquire jurisdiction to review tax levies on complaint of taxpayers from the local taxing unit

and then only to approve or reduce the levies. No power is given to increase the levies. This removes the objection of a central board assuming jurisdiction when local taxpayers are satisfied with the tax lexies.

During the year 1921, there were appeals in forty-six taxing units to review tax levies and in all but four was a reduction made by this board. All hearings under the amended law are held locally.

As to bond issues this board is given appellate power, and, in some instances, where increase in interest is contemplated, original jurisdiction is given the board.

The taxpayers have taken advantage of the law more freely on the question of bond issues than they have on tax levies, but as time goes on and the public becomes better informed it can be expected that most tax levies will be brought up for review.

The budget form adopted in itself will tend towards keeping down expenses but as eternal vigilance is the price of liberty so will eternal vigilance on the part of the taxpayers in bringing about a reduction of taxes and the best way to accomplish that is to reduce the amount of money to be spent.

Local officers are often busy only in seeking places to spend money instead of bending their energies to give the public full return for every dollar spent and reducing the amount to be collected.

The experience of the past year has convinced this board that but for the power granted the taxpayers to appeal on the question of bond issues many local officers would have increased bond issues to the limit which it would take from ten to twenty years to pay.

The legislature amended the law as to horizontal raises. Some have had the idea that this was a new power granted by the law of 1919—but those sections referring to equalization between counties were identically the same as in the Act of 1891.

Prior to 1891 a state board was given the power of equalizing by increasing or decreasing the assessments made.

In 1873, when Thomas A. Hendricks as Governor of the state was chairman of the State Board of Equalization horizontal raises were made in 25 counties running from 5 to 50%.

When assessing officers do their duty it is never necessary to make horizontal raises.

The recent amendment provides for a reconvening of the County Board of Review to give it all opportunity to make proper corrections within the county and if it fails then the state board is authorized to make such adjustments as it may deem necessary considering the county as the unit.

We believe the amendments of the last legislature have strengthened the law and with proper co-operation better results will be accomplished than ever before.

The question of taxation merits the impartial attention of the entire citizenship of the state and this board in making this report for the year 1921 trusts that the year 1922 will bring better results than ever before and a striving on the part of every taxpayer toward applying the Golden Rule into our public affairs and even into that of taxation.

LOWEST AND HIGHEST TOWNSHIP LEVIES

Among the 1,017 townships of the State, the first ten in the list given below have the lowest levies, and the last ten have the highest total levies in the State:

	LOWEST]	HIGHEST	
County	Township	Rate	COUNTY	Томизнір	Rate
Lake St. Joseph Elkhart Allen Tipton Shelby Elkhart Henry Johnson Lagrange	Concord. Jefferson Cicero Addison Harrison Spiceland	.75 .86 .87 .90 .91	Clay Lawrence	Washington Hamblen Van Buren Johnson Jackson Perry Pleasant Run Bono Spice Valley Baker	3.79 3.62 3.59 3.49 3.42

STEAM RAILROAD

Final Assessment of Railroad Track, Rolling Stock and Improvements on Right of Way of Steam Railroads, in the State of Indiana, for the Year 1921 as Valued and Equalized by the State Board of Tax Commissioners

J. L. A.C.	Roads	\$23,444,030 2,117,705	12, 325, 880 150, 955 3, 578, 275 19, 650	1,658,785 25,480	8, 869, 050 20, 054, 695	3,707,105 895,470 51,030 186,950 575,500	7,038,555 10,289,960 816,600 408,555		
Improve-	Right of Way	\$296,930 102,025	276,620 8,330 26,845		265,650	70,695	293, 010 6, 930 15, 425	700,070	
OCK	Total	\$2,199,000 118,680	1,692,200 25,550 426,720 2,940 94,160	7,480	$1,137,850\\13,050\\1,281,360$	832,510 183,520 7,880 30,400 126,100 648.750	1, 631, 400 1, 631, 400 184, 100 26, 390	2,934,000	
ROLLING STOCK	Per Mile	\$15,000 12,000	10,000 2,500 7,000 1,000	800	5,000 5,000 8,000	7,000 4,000 4,000 10,000 15,000	3,000 15,000 7,000	7,500	3,000
M M	Miles	146.60	169.22 10.22 60.96 2.94 117.70	9.35	227.57 2.61 160.17	118.93 45.88 1.97 7.60 12.61 43.25	6.10 108.76 36.82 3.77	391.20	10.00
CK	Tota l	\$1,157,100 405,900	772, 940 23, 205 95, 225 2, 010 117, 900	25,480	625,400	425,300 23,750 3,750 70,000 926,000	1, 254, 800 36, 450 102, 840	1,477,770	
SIDE TRACK	Per Mile	\$10,000 15,000	7,000 6,500 6,500 5,000	13,000	10,000	10,000 7,000 10,000	10,000 5,000 12,000	7,000	
	Miles	115.71	110.42 3.57 14.65 23.58	1.96	62.54	42.53 4.75 7.75 .91 .92.60	125.48 7.29 8.57	211.41	,
[AIN	Total	\$3,665,000	277,020		3,070,800	1,024,500	41,250		
SECOND MAIN	Per Mile	\$25,000 40,000	18,000	- : :	20,000	30,000	25,000		
	Miles	146.60	15.39		153.54	34.15	1.65		
NIN	Total	\$16, 126, 000 1, 483, 500	9,3C7,100 102,200 3,048,000 1,412,400		6,827,100	2,378,600 688,200 39,400 152,000 378,300 4,325,000	7,069,400 589,120 263,900	23,472,000	
First Main	Per Mile	\$110,000	55,000 10,000 50,000 12,000		30,000	20,000 20,000 20,000 30,000 100,000	65,000 16,000 70,000	000'09	
	Miles	146.60	169.22 10.22 60.96 2.94 117,70		227.57	118.93 45.88 1.97 7.60 12.61 43.25	108.76 36.82 3.77	391.20	
	RAILROADS	Baltimore & Ohio & Chicago Baltimore & Ohio Terminal Relimore & Ohio Southwestern	Main Line Bedford Branch Louisville Sub Division Bedford & Wallner R'iw y Co. Central Indiana Railway.	968 dalia. Of Indianapolis.	Chicago & Erie Raijway Co.	Unicago & Eastern Llinois— Brazil Division La Crosse Branch Freeland Branch Judyville Branch Brazil Branch Free Haute Division	Lerre Haute DIV. over vandalia Bransville Division Mt. Vernon Branch Evansville Belt.	C. R. Co.—Main Line	C. I. & L. over Ky. & Ind. Terminal C. I. & L. over Illinois Central.

28, 624, 280 1, 144, 250 541, 965 1, 307, 650 182, 400	858,715		8,458,380	6,872,245		1,352,880 1,352,880 169,850		3,890,140		101,540	1,788,670	41,530
8,160 20,075 650	29,275	230, 680	28, 145		283,335		107,880	118,375		1,980	950	39,005
4,020 149,000 100,725 160,425 23,050	88,500		88,950 186,900 628,050			142,200 14,280	472,560	2,100 264,390	820	11,360 66,985	1,250 1,750 6,480	318, 480 514, 560 13, 480 1, 580
20000000000000000000000000000000000000	5,000		15,000	10,000	7,2,4 2,500 0,500	8,500 9,000 9,000 9,000	6,000	2,200	2,000	8,000	1,000	2,000
1.34 59.60 40.29 64.17 9.22	17.70		5.93 12.46 41.87	.42	128.93	18.50 28.44 4.76	78.76	75.54	.41	1.42	2.50 9.50 6.48	. 90 53.08 85.76 6.74
101,250 30,180 164,600 20,400	32,940	3,649,200	449,850	49,500		116,270 300,600 50,850	157,200	161, 150		17,200 93,870		128,870
3,000	6,000	12,000	15,000	10,000	6,000	, r. r. r. 9000 9000	6,000	5,000		3,000	4,000	2,000
20.25 10.06 32.92 6.80	5.49	304.10	29.99	4.95	112.80	16.61 60.12 10.17	26.20	32.23		3.44		18,41
		607,000	318, 900						:			
		50,000	30,000									
		12.14	10.63						:			
894,000 402,900 962,550 138,300	708,000	2,666,000	5,443,100	807,000		407,000 910,080 104,720	3,150,400	1,888,500		71,000	32, 400	2,123,200
15,000 10,000 15,000 15,000	40,000	200,000	130,000	100,000		888 888 888 888 888 888 888 888 888 88	40,000	25,000		50,000	5,000	40,000
59.60 40.29 64.17 9.22	35.95	13.33	41.87	8.07	128.93	18.50 28.44 4.76	78.76	75.54		133.97	6.48	53.08
C.I. & L. over C.T.H. & S.E Michigan City Division. Bedford & Bloomfeld Div. Indo s. & Louisville Ry. Div Indiana Stone R. R. Div	French Lick Branch Chicago & Wabash Valley Division.	Chosgo, Lake Shore & Fastern Ry. Co. C.L.S. & E. over I.H. Belt C.L.S. & E. over C. & E.I.	C.L.S & E. over C.I. & S C.L.S & E. over E.J. & E Elgin, Joliet & Eastern Ry. Co. E.J. & E. over Chicago &	Erie. Gary & Western Railway. Chicago, Terre Haute & South-	C. T. H. & S. E. over Vandalia Westnort Branch	Sullivan Branch Chicago Extension Oolitic Branch Cincinnati, Indels. & Western	Ry. Co Indianapolis Division Indpls. Div. over Indpls.	Springfield Division. Spring. Div. over Indpls.	Union. Spring. Div. over C. C. C.	Elwood, Anderson & Lapel Ry, Co Evansville & Indpls, Ry, Co	E.I. over C.C.C. & M.L. E. & I. over C. & E. I. Ferdinand Railway Co.	Southern Ry. Grand Rapids & Lind. Ry. Co. G.R. & L. over C. R& Fr.W. G.R. & L. over P.Fr.W. & C. G.R. & L. over P.Fr.W. & C.

57-19980

STEAM RAILROADS—Continued

Totallof	Roads	3,657,745	97,680 1,457,220 117,760		:_	4,434,600	123,140 100,040 7,011,460 3,229,900	301,300 42,750 57,950	115,500	3,214,700	101, 445 36, 400 444, 020	42, 932, 340 1, 559, 910
Improve-	Right of Way	43,735 142,100	1,900 69,450 5,750	635	143, 180		777, 460	100		323, 390	7,145	835,870
POCK	Total	968,040	15,850 219.520 12,330		65,040 481,720	450	22,900 8,600 179,000 141,800	3,350	:	54,500 304,240	15,360	4,119,120
ROLLING STOCK	Per Mile	12,000	2,500 7,000 1,500	. 6	6,000 4,000	2,500	2,500 10,000 100,000 10,000	5,000	:	5,000 8,000	2,000	27,000
1	Miles	79.08	6.34 31.36 8.22		120.43	.18	9.16 .86 1.79 14.18	29.		10.90	7.68	152.56
LCK	Total	183, 610 260, 900	3,850 70,650 1,040	85,300	196,350		8,640 5,440 676,000 382,600	1,200	:	382,770	2,140 16,150 28,650	2,510,040
SIDE TRACK	Per Mile	7,000	2,500	10,000	5,000	:	8,000 100,000 10,000	20,000		9,000	2,000 5,000 5,000	12,000
	Miles	26.23 26.09	1.54 14.13 .52	8.53	39.27	:	2.16 .68 6.76 38.26	2.50	:	42.53	1.07 3.23 5.73	209.17
LAIN	Total	1,841,250					546,000 578,500	105,000		112,650		4, 576, 500 1, 217, 250 534, 600
SECOND MAIN	Per Mile	25,000		:		:	300,000	300,000		15,000		30,000 25,000 20,000
	Miles	73.65		:		;	11.82	.35		7.51		152.55 48.69 26.73
AIN	Total	3, 43 0 , 400 8, 067, 000	76,080 1,097,600 98,640		3,612,900	:	91,600 86,000 4,833,000 2,127,000	195,000 39,000 33,500	115,500	2,091,650	76,800 · 20,250 396,200	29, 138, 960
FIRST MAIN	Per Mile	40,000 100,000	12,000 35,000 12,000	:	30,000	:	9.16 10,000 .86 100,000 1.79 2,700,000 14.18 150,000	500,000 6,000 50,000		55,000	10,000 27,000 35,000	191,000
	Miles	85.76 80.67	6.34 31.36 8.22	:	120.43		9.16 .86 1.79 14.18	.39 6.50 .67	.08	38.03	7.68	152.56
	RAILROADS	Cincinnati, Richmond & Ft. Wayne Ry Grand Trunk Western Ry. Co.	Almons, Central Ashroad Co. New Harmony Branch Peoria Division Rantoul Division Chicago St. 7, 8 New Orleans	R. R. C.St.L. & N.O. over L. & N.	R. R. Indianapolis Branch. Indpls. Branch over Indpls.	Union. Southern B B	Indiana Northern Ry. Co Indianapolis Union Ry. Co Belt R. R. & Stock Yards Co	Kentucky & Ind. Terminal R. R. Co. Lafayette Union Railway Co. Lake Erie & Ft. Wayne R. R. Co.	Louisville Bridge & Terminal Ry, Co.	Louisville, Henderson & St. L. Ry. Co. over L. & N. Ry. Louisville & Nashville R. R. Co.	don R. R. Muncie & Western R. R. Co. New Jersey, Indiana & Ill. R.R.	New York Central R. R. Co., Main Line

346,230 444,580 11,963,370 10,112,470 5,441,440 67,440 991,710	1,294,610	11, 736, 235 11, 736, 235 2, 233, 280 6, 635, 710	885, 920,	190, 390 706, 500 123, 825 5, 379, 190 1, 610, 090 1, 333, 840 44, 800
7, 220 43, 470 43, 470 269, 330 3, 410 16, 970	1, 645, 820	217,400 101,785 1,	3,050 20,400 6,800	4,030 1,050 36,400 72,900 9,400 20,900
1, 209, 240 1, 209, 240 1, 209, 240 985, 920 5, 790 106, 600 4, 230 7, 890	12,090 30,030 24,210 1,493,900 1,66,450 92,900	2,070 3,750 1,266,900 1,195,500 34,150 238,100	121, 400 90, 870 191, 850	20,580 18,150 7,775 448,920 551,390 221,950 315,650
3,500 12,000 12,000 10,000 10,000 3,000 3,000	3,000	1000 1000 1000 1000 1000 1000 1000	5,000 3,000 5,000	3,000 15,000 6,000 7,000 5,000
12.10 25.56 53.30 100.77 82.16 1.93 10.66 1.41 2.63	4.03 10.01 8.07 43 149.39 52.15 1.21 18.58	1.25 84.46 79.70 6.83 23.81	24.28 30.29 38.37	6.86 3.11 74.82 78.77 78.77 44.39 63.13
54, 660 107, 700 1, 478, 300 327, 400 327, 400 148, 800 558, 300	1,590,700	845,000 672,200 672,200 83,700 429,240		42,300 82,300 7,200 219,600 398,400 47,040 50,340
6,000 6,000 10,000 10,000 10,000 115,000	10,000	10,000 10,000 5,000 10,000 7,000		5,000 10,000 10,000 10,000 6,000 6,000
9.111 17.95 147.83 32.74 32.74 14.88 37.22	159.07	84.50 67.22 67.22 .14 8.37 61.32		8.46 8.23 11.44 21.96 39.84 7.84 8.39
1,109,400	1,476,000	1,070,500		24, 150
20,000 rial Lead 50,000	25,000	25,000		15,000
55.47 (Indust 10.66	59.04	42.82		1.61
242,000 383,400 6,046,200 4,108,000 839,500	12, 698, 150	8, 446, 000 7, 970, 000 239, 050 1, 904, 800 5, 045, 400		123,480 605,000 108,850 3,866,900 4,332,350 1,331,700 946,950 44,800
20,000 115,000 80,000 60,000 50,000 50,000	882,000	35,000 35,000 30,000 30,000		18,000 350,000 45,000 15,000 10,000
12.10 25.56 53.30 100.77 1.93 16.79	149.39	84.46 79.70 6.83 23.81 168.18		6.86 6.86 77.83.11 63.139 63.139 84.44.82
Elkhart & Western Branch. Sturgis, Goshen & St. Louis Branch. Ft. Wayne & Jackson R. R. Ft. Wayne & Jackson R. R. Kankakee Branch. Michigan Central Connection Dune Park Extension. Indiana Harbor Belt R. R. I.H.B. over Mich. Central.	Bi	Chicago Jly, over Ft. W.c.&. L. Chicago Dly, over Vandalia. Indianapolis Division. St. Louis Division. Vineames Branch. Cincinnati, Lafayette & Chicago Ry. Albert St. Conf. Michigan Division.	Columbus, Hope & Greensburg R. R. Co. Evansville, Mt. Carmel & Northern R. R. Martinsville Branch Lawrenceburg & Aurora	Branch. Louisville & Jeffersonville Bridge & R. R. Co. Muscie Belt Ry. Co. Springfield Branch. Peora & Eastern Ry. Co. Vernon, Greensburg & Rushville White Water Division Zionsville Cut Off.

STEAM RAILROADS—Continued

Total of	Roads	7,243,860	7, 919, 990	3,338,905	9,207,830	308,700 15,838,420	2,045,400 857,420	12,850,595
Improve-	Right of Way	143,120	29,340	129,260	7,300	99,240	24,450	555,945 1,145,705
FOCK	Total	949,500 951,720 2,370	1,890 1,890 575,245 6,690	5,280 96,160 849,000 17,910 46,980	5,040	1,359,180	186, 200 53, 670 24, 780 103, 410	1,022,100
ROLLING STOCK	Per Mile	6,000	3,000	20,000 3,000 3,000 3,000	3,000	9,000	10,000 3,000 3,000 3,000	15,000 15,000
	Miles	158.25	. 63 . 63 104.59 2.23	1.76 24.04 42.45 5.97 15.66	1.88	151.02	18.62 17.89 8.26 34.47	68.14
ACK	Total	477,190	107, 600	21, 100		623,600	80,500	1,418,250
SDE TRACK	Per Mile	7,000	4,000	5,000	10,000	10,000	10,000	15,000 15,000
	Miles	68.17	26.90	4 00 - 4 00 - 52 65 - 52 65	11.11	62.36	8.05	94.55
LAIN	Total	135,300		1,273,500		164,600		1,336,800
SECOND MAIN	Per Mile	15,000		30,000		20,000		30,000
	Miles	9.02		42.45		8.23		44.56
AIN	Ţotal	5, 538, 750 6, 344, 800	2,614,750	8, 155, 250	783,000	13, 591, 800	1,675,800	8, 517, 500 22, 853, 750
First Main	Per Mile	35,000 40,000	25,000	15,000	50,000	90,000	90,000	125,000 125,000
	Miles	158.25	104.59	24.04	15.66	151.02	18.62	68.14 182.83
	Railroads	Lake Erie & Western R. R. Co. Main Line. I. & M.C. Division. I. & M.C. Div. over Indpls. Union. I. & M.C. Div. over Michigan	I. & M.C. Div. over N. Y. Central. Ft. Wayne, Cincinnati & Louisville R. R. Ft.W.C. & L. over P.C.C. & St.L.	Rushville Branch. Michigan Central R. R. Co. M.C. over Mich. & No. Inne. M.C. over Jol. & No. Ind.	M.C. over N.T.C. (L.S. & M.C. over N.T.C. (C.I. & S.) Joilet & Northern Indiana. Michigan Air Line. St., Oseph, South Bend & Sc., Aleseph, South Bend &	New York, Chicago & St. Louis R. R. Co.	Line. P.M. over N.Y. Central. P.M. over B. & C. La Crosse Branch. Pittsburgh, Cincinnati, Chicago	& St. Louis K. K. Co.— Columbus Division. Logansport Division.

(900)

33,934,155	2,695,940	1,057,280 12,240,285 11,837,380	47,215	180,685	2,431,090	1,825,030	13, 218, 165	197,090 6,946,415	480,360	9,476,215		2, 287, 745	4,479,530		40,693,945			4,907,875 1,597,505 422,605	453,660
	16,490	12,200 72,985 478,380	265	6,405	7,860	17,810 523,615	:	54, 455	72,955		22,215		96,980	718, 405	19,665	182,265		27,625	3,000
	603,400	129,060 1,656,750 1,626,900	090'6	23,050	620,100	359,600 1,192,800		24,480 693,900	36,060	247,140	279,300	15,480		4,131,000	80,100	709,680	1,170	325,320 68,160 48,450	73,980
	10,000	3,000 15,000 15,000	6,000	5,000	10,000	8,000		3,000	3,000	6,000	3,000	3,000	:	27,000	10,000	6,000		6000 6000 6000 6000 6000 6000 6000 600	
:	60.34	43.02 110.45 108.46	1.51	4.61	62.01	44.95	:	8.16	12.02 182.41	41.19	93.10	5.16	:	153.00	8.01	118.28	.39	22.72 22.72 16.15	24.66
=	169,050	1,049,700 1,507,200	140	35,980	66,850	99,120		8,910	143,300		108,750	:	263, 550	1,951,440	150,000	424,270		160, 160	,
:	2,000	10,000	2,000	7,000	7,000	7,000		3,000	5,000		5,000		15,000	12,000	15,000	7,000		3,000	3,000
	24.15	9.27 104.97 50.72	.02	5.14	9.55	14.16 183.23	:	2.97	28.66	:	21.75		17.57	162.62	10.00	60.61		3.24	2.26
97,350	96,800	72,600		:		687,750	113,550		145,400		:			4,590,000		37,500			
15,000	20,000	20,000				25,000	15,000		20,000			:		30,000		15,000			
6.49	4.84	3.63	:	:		27.51	7.57		7.27	:		:	:	153.00		2.50			
	1,810,200	860,400 9,388,250 9,219,100	37,750	115,250	1,736,280	1,348,500 7,952,000		163,200 5,782,500	300,500		1,862,000	:	4,119,000	29, 223, 000	240,000	3,548,400		1,084,400 340,800 242,250	369, 900
	30,000	20,000 85,000 85,000	25,000	25,000	28,000	30,000	:	2,000	25,000 40,000		20,000	:	100,000	191,000	30,000	30,000		20,000	
<u>.</u>	60.34	43.02 110.45 108.46	1.51	4.61	62.01	44.95	:	8.16 115.65	12.02 182.41		93.10	:	41.19	153.00	8.00	118.28		54.22 22.72 16.15	
Logansport Div.—Third Main Effner Branch—Logansport	Div.	Div. Richmond Division	ville Div.	ville Div	Louisville Div	Div. St. Louis Division	Main.	Louis Division	South Bend Division	& F. Brach Ft Worne	Div. Branch over Wa-	Dash Ry.	R. Co.	Chicago Ry	cago & So. South Chicago & Southern.	Indiana—Main Line.	Terminal. So. Ry. Co. over B. & O.S.W	So. Ry. Co. over C. I. & L Evansville Branch. Cannelton Branch.	Jasper, French Lick Line. Syracuse & Milford Ry. Co.

	Total of Roads	9,012,825 17,095,970		7,622,465 2,134,605	260,065	\$584,411,930	
Improve-	ments on Right of Way	118,025	38, 705	9,265	935	\$13, 435, 955	
TOČK	Total	855,350 1,662,000	975,380	22,240	28,940	\$62,995,030	=
ROLLING STOCK	Per Mile	5,000	7,000	4,000	2,000		
	Miles	171.07 166.20	139.34	30.87	14.47	7,407.17	_
CK	Total	341,300 924,400	315,840	57,050	13, 140 17, 500	\$44, 268, 815	
SIDE TRACK	Per Mile	5,000	7,000	7,000	3,000		
	Miles	68.26 92.44	45.12	8.15	4.38	4,603.79	
LAIN	Total	130,050				\$35,988,070 1,428,150 534,600	
SECOND MAIN	Per Mile	15,000				1,356.92	
	Miles	8.67				Sec. 62.75 26.73	
AIN	Total	7,698,150 14,127,000	6,270,300	1,852,200	217,050 27,600	\$425,761,310	
First Main	Per Mile	45,000 85,000	45,000	60,000	15,000		
	Miles	171.07 166.20	139.34	30.87	14.47	7,159.25	
	Raidroads	Toledo, St. Louis & Western R. R. Co. Wabash R. R. Co. —Main Line Montbelier & Chicago R. R.	Co. M. & C. over B. & O. C. T.	Chi. & Cal. Ft. Wayne & Detroit Ry. Co. Attica, Covington & Southern	R. R. White River R. R. Co.	Total (Third Main) Total (Fourth Main) GRAND TOTAL	

RECAPITULATION

Total	\$425, 761, 310	35, 988, 070	1,428,150	534,600	44, 268, 815	62, 995, 030	13, 435, 955	\$584,411,930	
	7, 159.25								
	Main Track	Second Main Track	Third Main Track.	Fourth Main Track	Side Track.	Rolling Stock	Improvements on Right of Way	GRAND TOTAL.	

ELECTRIC RAILROADS

Final Assessment of Railroad Track, Rolling Stock and Improvements on Right of Way of Electric Railroads, in the State of Indiana, for the Year 1921, as Valued and Equalized by the State Board of Tax Commissioners

1 1	Roads	\$88,530		2,501,585	184, 470	57, 400		460,853		244, 450	849,810	564, 125
Improve-	Right of Way	\$19,200	87,600	71,600	360	10,040		42,050	12,350	35,760	30,000	2,500
COCK	Total	\$7,880 1,200	355,050	315	9,690	780 55,020	992	396	13,685	1,750	300	675
ROLLING STOCK	Per Mile	\$2,000	5,000	1,500	1,000	1,000	200	1,800	200	2,000	3,000	300
R	Miles	3.94 2.40	71,01	.21	9.69	2.60 55.02	4.96	1.98		2.50	1.00	2.25
CK	Total	\$650	34,550	60, 560		17,010		9,555	1,645	9,350	1,750	820
Side Track	Per Mile	\$5,000	5,000	4,000		3,500		3,500	3,500	5,000	5,000	2,000
	Miles	.13	6.91	15,14		4.86		2.73	.47	1.87	. 35	71
AIN	Total	\$500	106,800	113,500	6,700							
SECOND MAIN	Per Mile	\$10,000		10,000	10,000		:					
	Miles	.05	10.68	11.35								
IIN	Total	\$59,100	1,917,270	2, 202, 020	174, 420 44, 160	550, 200		365, 400	215,050	723,960	470,350	142,380
First Main	Per Mile	15,000	27,000	23,000	18,000	10,000		15,000	11,000	18,000	23,000	9,000
	Miles	3.94	71.01	95.74	9.69	55.02		24.36	19.55	40.22	20.45	15.82
	RAILROADS	Beech Grove Traction Co B.G. over Indpls. Street Broad Ripple Traction Co.	Chicago, Lake Shore & South Bend Ry. Co.	N.I. Ry Chicago, South Bend & No. Ind. Ry. Co.	Gincinnati, Lawrenceburg & Aurora Electric St. R. R	D.&W. Trac. over T.H.I.&E. Evansville & Ohio Valley Ry.Co E.&O.V.Ry. over Public Utili-	ties Co E.&O.V.Ry. over III. Cent. R.	Evansville Suburban & Newburg Ry. Co.	Ft. Wayne & Decatur Traction Co Ft. W. & D. over Indiana	Ft. Wayne & Northwestern Ry. Co. Ft W & N W over Indiana	Service Corp. Ft. Wayne, Van Wert & Lima. Traction Co.	Ft.W. Van Wert & L. Trac. over Ind. Service Corp

ELECTRIC RAILROADS—Continued

Total of	Roads		87,535		1,161,370	280,340	1,605,950 1,244,370 4,642,595	1,881,670					1,169,055	980,196	14, 705, 805	200,760	84, 431
Improve-	Right of Way	5,250		32,500	4,000		28,000 66,980 222,325	144,750	30,255					38,370 622,330		39,000 39,000 200	
TOCK	Total	7,545	14, 703 3, 190	63,275	2,445 2,550 42,760	19,380	104,650 116,340 417,100	152,070	101,675	246,475	8,725	875	200	105,696	2,300	9,340	171
ROLLING STOCK	Per Mile	rí rí	1,1,000	îci +	1,500 4,000	1,200	2,000 2,500	1,500	2,500	2,500	2,500	2,500	2,500	1,800	2,000	1,000	300
I	Miles	5.03	11.31	25.31	1.63	16.15	20.93 58.17 166.84	101.38	40.67	98.59	3.49	.35	.20	58.72	2.65	9.34	.57
CK	Total	500	400	2,400	400		15,900 5,350 66,650	25,750	5,520					14,050 76,200		4,440	_
SIDE TRACK	Per Mile	5,000	4,000	4,000	5,000		5,000	5,000	4,000	:			:	5,000	• 6	3,000	
	Miles	01.	. 10	. 60			2.65 1.07 13.33	5.15	1.38		:		:	2.81 15,24	:	1.48	
AIN	Total			45,800			201,600 8,640 99,200	37,500	2,300				:	2,025,600		7,420	
SECOND MAIN	Per Mile		5,000	10,000			20,000 8,000 10,000	10,000	10,000					32,000	:	7,000	
02	Miles		77.	4.58			10.08 1.08 9.92	3.75	. 23		:		:	63.30		1.06	
LIN	Total	70,420	147,030	1,012,400	213,800		1,255,800 1,047,060 3,837,320	1,520,700	772,730					822,080 10,627,500		2,957,700 149,800 74,720	
FIRST MAIN	Per Mile	14,000	13,000	40,000	20,000	:	60,000 18,000 23,000	15,000	19,000			:		14,000 130,000		000,000 00,000 00,000	
	Miles	5.03	11.31	25.31	10.69		20.93 58.17 166.84	101.38	40.67		:			58.72		98.59 14.98 9.34	
	RAILROADS	Gary & Hobart Traction Co	Gary & Southern Traction Co.	Gary Street Railway Co G. St. Ry. over Gary & So.	G. St. Ry. over Amer. S. & T. Gary & Valparaiso Railway Co	G. & V. Ry. over Gary Connecting Ry. Co.	Hammond, Whiting & East Chicago Ry. Co Indiana Railway & Light Co Indiana Service Corporation	Indianapolis & Cincinnati Trac- tion Co.	Indianapolis & Louisville Trac.	state Pub. Ry.	St. Ry.	L. & L. Trac. Co. over K. & L. Term	L. & L. Trac. Co. over L. & J. Bridge	Indianapolis, New Castle & Eastern Tr. Co. Indianapolis Street Railway Co.	1. St. Ry. over Broad Ripple Trac	Interstate Public Service Co Lafayette Service Co Lebanon-Thorntown Trac. Co.	L.T. Tr. Co. over T.H.I. & E. Tr. Co.

520, 445	471,755	2,438,210	144, 422			11,248,812	8 807 509			999,945	74,660	\$64,825,432
18,975		36,710		827,530		336, 450	•	6,345	65,315		3,060	\$3,006,400
47,760	330	287,050 15,150	222	892, 653	6,165	759,690	0,110	4,450	131,760	06	16,980	\$5,920,952
1,500	300	3,000	300	2,300	300	2,300		1,500	2,000	300	6,000	
31.84	1.10	57.41	.74	388.11	20.55	330.30	3 0	2.45	65.88	.30	2.83	2,055.53
7,950		11,400		77,160		92, 680		1,110	11,800		3,680	\$604,910
5,000	:	4,000	:	4,000	:	4,000	:	3,000	4,000		4,000	
1.59		2.85	:	19.29		23.17	:	.15	2,95		.92	136.92
	:	93,700		130, 100		108,800		3,870				\$3,049,200
	:	10,000		10,000		10,000	:	3,000	:			
	:	9.37		13.01		10.88		1.29				157.31
445,760 397,670		2,009,350		9,314,640	:	7,596,900	:	53,400 26,000	290,560		50,940	\$52,243,970
14,000	:	35,000 25,000		24,000		23,000		12,000	12,000		18,000	
30.59		57.41		388.11	:	330.30	:	4.45	65.88		2.83	1,982.68
Marion & Blufton Trac. Co Muncie & Portland Trac. Co	tion.	Southern Indiana Gas & Electric Co. Southern Michigan Railway Co	So. M. Ry. Co. over C.S.B. & N. I. Ry	Terre Haute, Indpls. & Eastern Tract	T.H.I. & E. Ry. over Indpls.	T.H.I.&E. Ry. over Lafayette Service Co. Union Traction Co. of Indiana.	U.Tr.Co. over Indiana Service	Vincennes Traction Co Washington Street Railway Co.	Winona Interurban Railway Co. (Receivers)	W.I.Ry.Co. over Union Trac.	Winona & Warsaw Ry. Co. (Receivers)	Totals

RECAPITULATION

Total \$52, 243, 970 3, 049, 200	5,920,952 3,006,400	\$64,825,432
Miles 1,982.68 157.31		
Main Track. Second Main Track.	Side Track Rolling Stock Improvements on Right of Way.	GRAND TOTAL

TELEPHONE COMPANIES

Final Assessment of the Property Within the State of Indiana (Exclusive of Real Estate, Structures, Machinery, Fixtures, and Appliances Subject to Local Taxation) of Telephone Companies for the Year 1921 as Fixed by the State Board of Tax Commissioners.

Name of Company Tota	l Assessment
Adams & Jay Telephone Co	\$1,935 00
A. & G. Telephone Co	3,240 00
Advance Telephone Co. of Advance	15,850 00
Advance Telephone Co. of Evansville	910 00
Advance Telephone Co. of Winchester	3,500 00
Akers Telephone Co	26,210 00
Akron Telephone Co	28,500 00
Alamo Co-operative Telephone Co	3,300 00
Alberring Telephone Co	700 00
Alert Telephone Co	2,625 00
Alexandria Telephone Co	10,509 00
Alfont Telephone Co	700 00
Allentown Telephone Co	330 00
American Telephone & Telegraph Co	6,157,641 00
Amboy Home Telephone Co	23,496 00
Arcadia Telephone Co	18,600 00
Argos Telephone Co	34,432 00
Arlington Telephone Co	9,940 00
Aroma Farmers' Telephone Co	14,580 00
Antwerp Telephone Co	1,440 00
Art Mutual Telephone Co	1,040 00
Atlanta Telephone Co	15,000 00
Attica Telephone Co	56,720 00
Avery Co-operative Telephone Co	6,000 00
Avilla Mutual Telephone Co	19,360 00
Azalia Telephone Co	1,760 00
Bainbridge Telephone Co	1,500 00
Bakers Corner-Horton Telephone Co	13,200 00
Banner Telephone Co	480 00
Barton-Stacer Telephone Co	2,000 00
Batesville Telephone Co	19,960 00
Battleground Telephone Co	8,910 00
Beech Grove Farmers' Telephone Co	450 00
Beech Valley Rural Telephone Co	630 00
Bellmore & Mansfield Citizens' Telephone Co	1,825 00
Bell Mutual Telephone Co	320 00
Bengal Telephone Co	765 00
Bethlehem Telephone Co	675 00
Big Creek & Marble Corner Telephone Co	700 00
Big Spring Telephone Co	9,300 00
Bingen Farmers' Telephone Co	1,200 00

Name of Company Total	Assessment
Bippus Telephone Co	26,010 00
Blue Ridge Telephone Co	2,550 00
Blue River Telephone Co	575 00
Blue River Valley Telephone Co	2,100 00
Blue Top Telephone Co	1,280 00
B. & M. Telephone Co	8,820 00
Boone Township Telephone Co.	1,350 00
Bremen Home Telephone Co	29,748 00
Bristol Telephone Co	7,275 00
Brookville & Oldenburg Telephone Co.	2,700 00
Brookville Telephone Co	43,920 00
Browns' Chapel Telephone Co	500 00
Brownsville Telephone Co	5,456 00
Burns City Co-operative Telephone Co	5,400 00
Burlington Telephone Co	4,560 00
Burrows Telephone Co	11,200 00
Butler Telephone Co	44,400 00
Butlerville & Benville Telephone Co	615 00
Butlerville, Hyde & San Jacinto Telephone Co	700 00
Byron Telephone Co	1,120 00
Cadiz, Harrison Township Co-operative Telephone Co	3,200 00
Cadwallader Telephone Co	45,575 00
Calvertville Telephone Co	3,500 00
Camden Co-operative Telephone Co	17,280 00
Carlisle Co-operative Telephone Co	19,500 00
A. L. Carpenter Telephone Co	Cancelled
Carrollton Telephone Co	2,280 00
Carroll Telephone Co	47,800 00
Cartersburg Telephone Co	1,250 00
Castleton Telephone Co	2,000 00
Cates Telephone Co	6,604 00
Cayuga Telephone Co	13,200 00
Center Point Telephone Co	1,470 00
Center Telephone Co	5,748 00
Centerville Co-operative Telephone Co	19,000 00
Central Indiana Telephone Co	30,000 00
Central Mutual Telephone Co	37,800 00
Central Telephone Co	2,040 00
Chalmers Telephone Co	15,375 00
Chandler Telephone Co	6,750 00
Charlottsville Telephone Co	1,000 00
Charlottesville Northern Telephone Co	750 00
Cherryvale Mutual Telephone Co	1,800 00
Chesterfield Telephone Co	3,000 00
Churubusco Telephone Co	32,000 00
Cincinnati & Suburban Bell Telephone Co.	6,539 00
Cicero Telephone Co	13,100 00
Citizens Co-operative Telephone Co	7,200 00
The second secon	1,200 00

	l Assessmen	nt
Citizens Telephone Co. of Berne, Ind	Cancelle	$_{ m ed}$
Citizens Telephone Co. of Brazil	205,960 (00
Citizens Telephone Co. of White Co. of Buffalo	6,768 (00
Citizens Telephone Co. of Cambridge City	,	00
Citizens Telephone Co. of Columbus	123,728 (
Citizens Telephone Co. of Edinburg	46,500 (
Citizens Telephone Co. of Decatur	136,285 (
Citizens Telephone Co. of Dunkirk	32,025 (
Citizens Telephone Co. of Fairmount	48,015 (
Citizens Co-operative Telephone Co	18,150 (
Citizens Telephone Co. of Marshall	13,250 (
Citizens Telephone Co. of Macy	23,332 (
Citizens Telephone Co. of Upland	15,455 (
Citizens Telephone Co. of Willow Branch	4,540 (
Citizens Telephone Co. of Zionsville	22,935 (
Citizens Independent Telephone Co	1,228,016	
Citizens Mutual Telephone Co. of Cortland	11,104 (
Citizens Mutual Telephone Co. of Cory	2,394 (
Citizens Mutual Telephone Co. of Dana	10,200 (
Citizens Mutual Telephone Co. of Newport	7,854 (
Citizens Mutual Telephone Co. of St. Bernice	7,100 (
Clarksville Telephone Co	3,200 (
Clay City Mutual Telephone Co	1,015 (
Cleveland Telephone Co	700 (
Cloverdale Telephone Co	4,125 (
Coalmont Telephone Co	400 (
Coffman-Heller Telephone Co	640 (
College Corner Telephone Co. of College Corner, O	27,100 (
College Corner Telephone Co. of Greenfield	550 (
Columbia Telephone Co	1,356 (
Commercial Telephone Co	102,320 (
Commonwealth Telephone Co		00
Coatesville Telephone Exchange Co	6,000 (
Connersville Telephone Co	,	00
Consolidated Telephone Co.	127,183 (
Converse Consolidated Telephone Co	33,297 (
Co-operative Telephone Co	33,456 (
Corunna Telephone Co	10,850 (
Cowan Rural Telephone Co	3,920 (
Craigville Telephone Co	13,410 (
Crown Point Telephone Co	52,694 (
Cutler Co-operative Telephone Co	11,000 (
Cyclone Co-operative Telephone Co	4,000 (
Cynthiana Telephone Co	1,650 (
Cypress Telephone Co	4,275 (
Daleville Telephone Co	10,027 (
Darmstadt Telephone Co	9,000 (
Darlington Telephone Co	27,000 (UU

Name of Company Total	Assessment
Decatur County Independent Telephone Co	137,907 00
Deadsville Telephone Co	1,300 00
Deer Creek Co-operative Telephone Co	8,640 00
The Delanies Creek Telephone Co	832 00
Denver Co-operative Telephone Co	7,750 00
Dixon Telephone Exchange	30,000 00
Diamond Telephone Co	360 00
Disko-Laketon Telephone Co	24,674 00
Domestic Telephone Co. of Linn Grove	1,470 00
Dubois County Telephone Co	129,000 00
Dugger Mutual Telephone Co	14,400 00
Dunlaps Mutual Telephone Co	20,525 00
Dupont Telephone Co	1,000 00
Dupont & Lovett Telephone Co	600 00
Earl Park Telephone Exchange	13,800 00
Eastern Indiana Telephone Co	247,550 00
J. C. Eckhart Telephone Co	19,710 00
Eckerty, Branchville & Cannelton Telephone Co	12,750 00
Eel River Telephone Co	57,600 00
Edwardsport Telephone Co	4,680 00
Ekin Mutual Telephone Co	13,140 00
Elberfeld & Millersburg Telephone Co	500 00
Elizaville Telephone Co	11,375 00
Elkhart County Telephone Co	28,850 00
Eel River Telephone Co. of North Manchester	57,600 00
Ellettsville Western Telephone Co	700 00
Elnora Co-operative Telephone Co	2,800 00
Extra Telephone Co	455 00
Emporia Telephone Co	2,100 00
Eureka Telephone Co	32,400 00
Excelsior Telephone Co	2,400 00
Farmers Telephone Co. of Owen County	2,000 00
Fairbanks Telephone Co	9,000 00
Fairview Telephone Co	825 00
Fall Creek Telephone Co	2,220 00
Falmouth Mutual Telephone Co	14,700 00
Farmers' & Citizens' Telephone Co	18,000 00
Farmers' Co-operative Telephone Co	53,163 00
Farmersburg Telephone Co	15,750 00
Farmers' Co-operative Mutual Service Co	3,025 00
Farmers' Independent Telephone Co	5,000 00
Farmers' Free Telephone Association	5,000 00
Farmers' Co-operative Telephone Co	2,100 00
Farmers' Metropolitan Telephone Co	5,160 00
Farmers' & Merchants' Co-operative Telephone Co	27,213 00
Farmers' Mutual Telephone Co. of Bear Branch	2,970 00
Farmers' Mutual Telephone Co. of Columbia City	84,000 00
Farmers' Mutual Telephone Co. of Cross Plains	5,000 00

Name of Company Total	ıl Assessment
Farmers' Mutual Telephone Co. of Dale	1,800 00
Farmers' Mutual Telephone Co. of East Enterprise	4,050 00
Farmers' Telephone Co. of Geneva	525 00
Farmers' Mutual Central Telephone Co. of Belleview	3,480 00
Farmers' Mutual Telephone Co. of Millersburg	12,600 00
Farmers' Mutual Telephone Co. of Rexville	2,310 00
Farmers' Mutual Telephone Co. of Patriot	3,600 00
Farmers' Mutual Telephone Co. of Vevay	2,919 00
Farmers' Telephone Exchange	3,430 00
Farmers' Rural Telephone Co	1,360 00
Farmers' Telephone Co. of Washington Co	1,925 00
Farmers' Telephone Co	33,480 00
Farmers' Union Telephone Co	3,825 00
Farmers' White Line Telephone Co	250 00
Fishers Telephone Co	4,550 00
Fishers & Oaklandon	420 00
Flat Rock Telephone Co	7,800 00
Flint-Kyle	19,980 00
Flora Telephone Co	42,840 00
Forest Telephone Co	13,680 00
Fortville Telephone Co	14,271 00
Fountain Telephone Co	31,500 00
Four Corners Mutual Telephone Co	1,850 00
Franklin Telephone Co	149,450 00
Freelandsville Telephone Co	6,187 00
Fulton Telephone Co	14,750 00
Garrett Telephone Co	70,487 00
Gaston Home Telephone Co	24,540 00
Geetingsville Telephone Co	5,800 00
Germany Mutual Telephone Co	3,900 00
German Telephone Co	650 00
Gilboa Telephone Co	500 00
Georgetown Telephone Co	5,000 00
Gem Telephone Co	480 00
Geneva Telephone Co	10,560 00
J. R. Goyer Telephone Co	200 00
Goldsmith Co-operative Telephone Co	7,000 00
Grassy Creek Mutual Telephone Co	390 00
Grayford & San Jacinto Telephone Co	240 00
Greenleaf Bridge Mutual Telephone Co	1,000 00
Greencastle & Belle Union Telephone Co	960 00
Greencastle Telephone Co	44,750 00
Greenfield Telephone Co	55,245 00
Greens Fork Co-operative Telephone Co	18,000 00
Greentown Telephone Co	28,215 00
Hallack Telephone Co.	20,520 00 1,600 00
Harristown Telephone Co	780 00
Harrison County Telephone Co	12,285 00
breatrigon County reschuous Co	14,400 00

Name of Company To	tal Assessment
Harrison County Farmers' Telephone Co	
Harmony Telephone Co	
Harrison Flynn Telephone Co	
Harrison Telephone Co	
Haubstadt Telephone Exchange System	
Hazelton Telephone Co	
Hazelwood & Clayton Telephone Co	
Hazelrigg Mutual Telephone Co	
Harlan Telephone Co	
Harrison Township Telephone Co	
Hebron Telephone Co.	
Highland Telephone Co	
Hicksville Telephone Co	
Home Telephone Co	
Hoadley Telephone Co	
Hoagland Telephone Exchange	540 00
Holland Telephone Co	4,000 00
Hollansburg Home Telephone Co	
Holton Telephone Exchange Co	
Home Mutual Stony Point Telephone Co	
Home Telephone Co. of Bloomingdale	
Home Telephone Co. of Elkhart	
Home Telephone Co. of Hancock Co	
Home Telephone Co. of Pittsboro	
Home Telephone of Wabash	171,990 00
Home Telephone Co. of Warren	400 00
Home Telephone Co. of Portland	
Honey Creek Mutual Telephone Co	10,650 00
Hoosier Telephone Co	66,125 00
Hope Independent Telephone Co	36,000 00
Home Telephone & Telegraph Co	1,136,000 00
Huntertown Telephone Co	
Hymera Telephone Co	8,990 00
Idaville Co-operative Telephone Co	
Illinois Bell Telephone Co	2,113,000 00
Independent Long Distance Telephone & Telegraph Co	
Independent Ten Telephone Co	440 00
Independent Telephone Co	4,050 00
Indiana Bell Telephone Co	18,882,158 00
Indiana Central Telephone Co	1,000 00
Indiana Telephone & Telegraph Co	113,261 00
Inwood Telephone Co	4,200 00
Irving Telephone Co	
Jackson Township Telephone Co	1,400 00
Jackson County Mutual Telephone Co	
Jasper County Telephone Co	
Jefferson Co-operative Telephone Co	
Johnson's Fork Telephone Co	
Johnson Telephone Co	400 00

Name of Company	Total	Assessment
Kirby Telephone Co	• • •	960 00
Kansas Telephone Co		420 00
Kassuth Telephone Co		1,680 00
Kingman Telephone Co		7,200 00
Kinlock Long Distance Telephone Co		8,750 00
Kirklin Telephone Co		16,500 00
Kirkpatrick Telephone Co		2,595 00
Kirksville Telephone Co		8,050 00
Klondike Telephone Exchange		19,500 00
Knightstown Telephone Co		46,506 00
Lapel Telephone Co		10,680 00
Lafayette Telephone Co		500,030 00
Lafontaine Telephone Co		54,065 00
Lagro-Andrews Telephone Co		32,775 00
Lancaster & Monroe Townships Independent Telephone		1,575 00
Landesville Rural Telephone Co		9,000 00
Lapaz & Lakeville Home Telephone Co		22,500 00
Laporte Telephone Co		356,616 00
Laurel Telephone Co		6,200 00
Lawrence Telephone Co		4,750 00
Ladoga Telephone Co		$36,5\overline{2}0 00$
Lebanon Telephone Co		107,250 00
Leisure Telephone Co		7,380 00
Leiter's Ford Telephone Co	• • •	9,020 00
Leora Kirk Telephone Exchange		284 00
Lewis Telephone Co		7,770 00
Lewis Creek Telephone Co		2,365 00
Liberty Center Telephone Co		15,800 00
Ligonier Telephone Co		29,250 00
Liberty Telephone Co		70,482 00
Lizton Mutual Telephone Co		2,000 00
Linden Telephone Co		15,600 00
Linton Telephone Co		7,830 00
Lochiel Telephone Co		2,000 00
Loogootee Telephone Co		14,544 00
Logansport Home Telephone Co		335,580 00
Local Union Telephone Co		1,400 00
Locust Grove Telephone Co		420 00
London Telephone Co		4,420 00
Louisville Home Telephone Co		258,070 00
Lost Creek Mutual Telephone Co		595 00
Lyons Co-operative Telephone Co	• •	12,250 00
Marble Corner, San Jacinto & Dupont Telephone Co		600 00
Marietta Telephone Co		17,132 00
Maxwell Telephone Co		2,100 00
Madison Telephone Co		65,360 00
Matthews Telephone Co	• •	7,300 00
Martinsville Telephone Co		83,883 00

Name of Company	Total	Assessment
Name of Company Mace Telephone Co		5,320 00
Madison Township Telephone Co		7,700 00
Majenica Telephone Co		53,842 00
Marco Telephone Co		2,250 00
Markleville Co-operative Telephone Co		3,000 00
Marrs Township Telephone Co		1,960 00
Martin Telephone Co		540 00
Max Co-operative Telephone Co		1,800 00
McCordsville Telephone Co		3,000 00
McCarter Telephone Co		4,080 00
Maumee Telephone Co		600 00
Medaryville Telephone Co		10,375 00
Menden Telephone Co,		420 00
Merchants' & Farmers' Telephone Co	• • •	16,200 00
Merchants' Mutual Telephone Co		178,277 00
Mellotte Telephone Co		6,656 00
Mexico Home Telephone Co		3,150 00
Michigantown Co-operative Telephone Co		12,910 00
Mitchell Telephone Co		46,420 00
Milligan Telephone Co		3,000 00
Mill Creek Telephone Co		2,000 00
Middletown Telephone Co		24,187 00
Millville Telephone Co		7,500 00
Moores Hill Telephone Co		360 00
Morocco Telephone Co		25,000 00
Monroe County Telephone Co		Cancelled
Mongo Mutual Telephone Co		3,232 00
Mohawk Telephone Co		6,860 00
Monon Telephone Co		22,347 00
Monrovia Mutual Telephone Co	•••	5,600 00
Mooreland Rural Telephone Co	• • •	18,060 00
Monroeville Home Telephone Co	• • •	41,170 00
Mooresville Telephone Co		28,140 00
Mt. Comfort Telephone Co		3,360 00
Mt. Summit Rural Telephone Co		6,000 00
Modoc Telephone Co		22,165 00
Monticello Telephone Co		82,500 00
Mt. Lebanon Telephone Co	• • •	525 00
Mutual Telephone Co. of Shipshewana		9,360 00
Mutual Telephone Co. of Crandal		2,035 00
Mount Ayr Telephone Co		7,225 00
Morgantown Telephone Co		11,220 00
Mt. Zion Telephone Co		9,100 00
Moran People's Telephone Co		6,000 00
Napoleon Telephone Co		1,360 00
Nappanee Telephone Co		46,375 00
Needmore Telephone Co		3,575 00
New Corydon Telephone Co		1,260 00
		2,200 00

Name of Company Total	Assessment
New Brunswick Citizens' Telephone Co	6,780 00
Newark Telephone Co	3,500 00
Newberry Community Telephone Co	1,200 00
New Dillsboro Telephone Co	1,500 00
New Marion, Rexville & Goff Telephone Co	300 00
New Home Telephone Co	13,145 00
New London Co-operative Telephone Co	6,345 00
New Eden Telephone Co	3,000 00
New Home Telephone Co	135,667 00
New Lebanon Mutual Telephone Co	6,080 00
New Libson Telephone Co	16,200 00
New Palestine Telephone Co	5,490 00
New Maysville Telephone Co	1,000 00
New Paris Mutual Telephone Co	15,600 00
New Richmond Telephone Co	9,975 00
New Ross Co-operative Telephone Co	798 00
New Salem Telephone Co	6,875 00
Newtown Telephone Co	5,700 00
Newton & Jasper Counties Telephone Co	24,700 00
New Washington Telephone Co	10,250 00
New Winchester Farmers' Mutual Telephone Co	2,800 00
New Market Co-operative Telephone Co	15,000 00
Noblesville & Ohio Telephone Co.	1,200 00
Nine Mile Telephone Co	9,600 00
Noble County Telephone Co	52,548 00
North Judson Telephone Co	21,800 00
North Liberty Telephone Co	19,200 00
North Manchester Telephone Co	14,100 00
Northwestern Indiana Telephone Co	213,717 00
North, County Line Telephone Co	320 00
North County Line Telephone Co	680 00
graph, & Cable Co	99,656 00
Oaklandon Western Telephone Co	1,200 00
Oaklandon Rural Telephone Co	450 00
Oakdam Stub Line Telephone Co	400 00
Oakland City Telephone Co	17,000 00
Oaktown Telephone Co	12,075 00
Ohio River Telephone Co	54,775 00
Ohio State Telephone Co	8,600 00
Orestes Telephone Co	7,400 00
Osgood Telephone Co	10,500 00
Otter Creek Telephone Co	1,500 00
Owensburg Co-operative Telephone Co	750 00
Oxford Telephone Co	27,001 00
Otterbein Telephone Co	29,370 00
Owensville Independent Telephone Co	3,500 00
Orange Mutual Telephone Co	10,285 00

Name of Company Total	Assessment
Palmyra Independent Telephone Co	8,000 00
Paoli, Unionville & English Telephone Co	300 00
Parkersburg Telephone Co	1,920 00
Peoples' Co-operative Telephone Co., Stockwell	2,000 00
Paris Crossing Telephone Co	2,790 00
Parke County Telephone Co	81,877 00
Paxton Telephone Co	2,700 00
Peoples' Mutual Telephone Co. of Wawaka	6,468 00
Palmer Telephone Co. of Palmer, Ind	2,000 00
Peoples' Mutual Telephone Co. of Lagrange	26,460 00
Peoples' Co-operative Telephone Co., Jamestown	14,350 00
Pennville Telephone Co	22,000 00
Pendleton Telephone Co	22,100 00 $2,160 00$
Peoples' Co-operative Telephone Co. of Clarks Hill	8,000 00
Peoples' Co-operative Telephone Co. of Manson	8,504 00
Peoples' Co-operative Telephone Co. of Mulberry	36,470 00
Peoples' Mutual Telephone Co. of Topeka	14,950 00
Peoples' Mutual Telephone Co. of Wolcottville	10,560 00
Peoples' Telephone Co	6,454 00
Peoples' Union Telephone Co	7,320 00
Peoples' Co-operative Telephone Co., Colfax	10,750 00
Perkinsville & Lapel Telephone Co	3,745 00
Perry Farmers' Telephone Co	200 00
Perry Hill Telephone Co	960 00
Perry Telephone Co	980 00
Philadelphia Farmers' Telephone Co	750 00
Pierceton Telephone Co	30,075 00
Pigeon Roost Telephone Co	560 00
Pike County Telephone Co	105,105 00
Pike's Peak Telephone Co	4,230 00
Plainville Telephone Co	9,306 00
Pleasant View Telephone Co	900 00
Pleasantville Co-operative Telephone Co	3,900 00
Poe Farmers' Telephone Co	300 00
Poland Telephone Co	3,100 00
Portage Home Telephone Co	22,400 00
Poseyville Mutual Telephone Association	3,300 00
Prairie Branch Telephone Co	450 00
Prairie Creek Mutual Telephone Co	18,290 00
Prairie Telephone Co	27,900 00
Pretty Prairie Telephone Co	9,500 00
Princeton Telephone Co	60,000 00
Providence Telephone Co	10,850 00
Public Service Telephone Co	35,267 00
Putnam County Telephone Co	4,400 00
Raleigh Telephone Co	2,100 00
Range Line Telephone Co	500 00

Name of Company	Total	Assessm	ent
Reelsville Telephone Co		300	00
Reese Mills Co-operative Telephone Co		10,500	00
Remington Telephone Co		29,983	00
Reynolds Telephone Co		9,100	00
Richmond Home Telephone Co		442,040	00
Ripley Farmers' Co-operative Telephone Co		51,940	00
Roann Telephone Co	• • •	34,800	
Roanoke Telephone Co		17,145	
Roachdale Telephone Co		12,880	
Rochester Telephone Co	• • •	75,988	
Rockfield Co-operative Telephone Co		7,140	
Rome Telephone Co	•••	900	
Rosedale Mutual Telephone Co	• • •	21,590	
Rose Lawn Telephone Exchange	• • •	, , , , , ,	00
Roseville Home Telephone Co			00
Royal Center Telephone Co		17,200	
Royal Telephone Co		19,992	
Rural Telephone Co		1,875	
Rushville Co-operative Telephone Co		118,450	
Russiaville Co-operative Telephone Co		14,700	
St. Joe Telephone Co		10,517	
St. Philips Telephone Co		5,000	
Salamonia Telephone Co		12,040	
Salem Co-operative Telephone Co		5,320	
Sand Bank Telephone Co		5,110	
Sanford Mutual Telephone Co		2,125	
Scircleville Telephone Co		11,320	
Shady Grove Telephone Co		450	
Shannondale Telephone Co		4,550	
Sharpsville Telephone Co		20,800	
Shiloh Telephone Co		437	
Shirley Telephone Co		12,000	
Shoals & Dubois Telephone Co		945	
Sidney Telephone Co		11,770	
Silverwood Telephone Co		2,200	
Sims Co-operative Telephone Co		7,160 350	
Six Mile Telephone Co		3,060	
South Side Telephone Co		2,520	
Southern Farmers' Telephone Lines		420	
Southern Indiana Telephone Co. of Aurora		83,545	
Southern Indiana Telephone Co. of Elberfeld		10,175	
Southern Indiana Telephone & Telegraph Co		194,906	
Southern Michigan Telephone Co		420	
Sparta & Hogan Mutual Telephone Co		1,225	
Spencerville Telephone Co		8,400	
Spiceland Co-operative Telephone Co		21,060	
Springport Rural Telephone Co		5,474	
Spurgeon Home Telephone Co		4,500	
of and and a confined continued to the c		2,500	

Name of Company	Total	Assessment
Stahl-Goyer Telephone Co		360 00
Stanford Telephone Co		1,500 00
Stansbury Mutual Telephone Co		480 00
Star City Telephone Co		17,930 00
Star Telephone Co. of Geneva		2,575 00
Star Telephone Co. of French Lick		11,935 00
Star Line Telephone Co		600 00
Stendal Home Telephone Co		4,000 00
Steuben County Telephone Co		118,885 00
Stone Bluff Telephone Co		12,810 00
Stotts Creek Telephone Co		500 00
Sullivan Telephone Co		85,140 00
Sulphur Springs Co-operative Telephone Co		7,020 00
Summittville Telephone Co		13,068 00
Swayzee Co-operative Telephone Co		14,000 00
Sweetser Rural Telephone Co		13,775 00
Switz City Telephone Co		6,500 00
Syracuse Home Telephone Co		25,830 00
Thorntown Telephone Co		34,100 00
Talma Telephone Co		5,670 00
Terhune Co-operative Telephone Co		9,000 00
Tilden Mutual Telephone Co		1,800 00
Tippecanoe Telephone Co		7,680 00
Tipton Telephone Co		76,807 00
Taylorsville Telephone Co		4,200 00
Tobinsport Telephone Co		1,200 00
Tocsin Telephone Co		4,950 00
The Trotter Telephone Co		3,000 00
Turman Telephone Co		14,400 00
Twelve Mile Telephone Co		14,065 00
Tyner Telephone Co		6,600 00
Union City Telephone Co		72,270 00
Union Home Telephone Co		3,600 00
Union Telephone Co. of Carmel		24,400 00
Union Telephone Co. of Riley		10,395 00
Uniondale Rural Telephone Co		30,800 00
Urbana Independent Telephone Co		14,100 00
Van Buren Telephone Co		3,200 00
Veedersburg Telephone Co		27,145 00
Velpen Home Telephone Co		1,980 00
Vernon Township Farmers' Telephone Co		855 00
Versailles Telephone Co		2,500 00
Vevay, Mt. Sterling & Sugar Branch Telephone Co		Cancelled
Vigo Mutual Telephone Co		7,800 00
E. B. Vincent Telephone Co		1,880 00
Wabash Valley Telephone Co		7,761 00
Waldron Telephone Co		15,010 00
Walkerton Telephone Co		28,325 00
Wallace Co-operative Telephone Co		9,642 00

Name of Company Tot	al Assessment
Warren Telephone Co	33,300 00
Warrington Telephone Co	540 00
Warrington & Markleville Telephone Co	1,575 00
Waterloo Telephone Exchange	17,184 00
Waupecong Home Telephone Co	412 00
Waveland Telephone Co	14,700 00
Waynetown Telephone Co	19,760 00
West Fork & Sulphur Home Telephone Co	4,000 00
Westland Telephone Co	300 00
West Newton Telephone Co	10,800 00
West Point Co-operative Telephone Co	12,920 00
Western Grove Telephone Co	1,365 00
Western Indiana Telephone Co	42,276 00
Wheatland Independent Telephone Co	7,800 00
Wheatfield Telephone Exchange Co	2,100 00
Whippoorwill Telephone Co	8,540 00
Whiteland Telephone Co	35,000 00
White River Telephone Co	5,955 00
White Star Telephone Co	10,160 00
Whitestown Citizens' Telephone Co	23,550 00
Whitley County Telephone Co	107,550 00
Wilkinson, Simmons & Woods	560 00
Wilkinson Switchboard & Telephone Co	7,500 00
Whitesville Co-operative Telephone Co	5,625 00
Williams County Telephone Co	8,680 00
Willshire Telephone Co	15,600 00
Wilson Telephone Co	1,050 00
Windfall Telephone Co	14,310 00
Winona Telephone Co	272,580 00
Wolcott Telephone Co	32,110 00
Woodburn Home Telephone Co	15,769 00
Yeddo Telephone Co	390 00
Yeoman Telephone Co	9,000 00
Zenas Indiana Telephone Co	10,375 00
· · · · · · · · · · · · · · · · · · ·	

EXPRESS COMPANIES

Total\$42,423,398 00

Final Assessment of the Personal Property Within the State of Indiana (Exclusive of the Real Estate, Structures and Machinery, Fixtures and Appliances Subject to Local Taxation) of Express Companies for the Year 1921 as Fixed by the State Board of Tax Commissioners.

Name of Company American Railway Express	Co	Assessment . \$688,516
Total		. \$688.516

Total Assessment

...\$21,252,199

TELEGRAPH COMPANIES

Final Assessment of the Property Within the State of Indiana (Exclusive of Real Estate, Structures, Machinery, Fixtures and Appliances Subject to Local Taxation) of Telegraph Companies for the Year 1921 as Fixed by the State Board of Tax Commissioners.

Name of Company Total A	ssessment.
Postal Telegraph Cable Co	\$1,031,053
Western Union Telegraph Co	6,611,180
· · · · · · · · · · · · · · · · · · ·	
Total	\$7.913.183

SLEEPING CAR COMPANIES

Final Assessment of the Property Within the State of Indiana (Exclusive of Real Estate, Structures, Machinery, Fixtures and Appliances Subject to Local Taxation) of Sleeping Car Companies for the Year 1921 as Fixed by the State Board of Tax Commissioners.

Pullman Co	•••••	
Total		\$2,796,501

Name of Company

Total

PIPE LINE COMPANIES

Final Assessment of the Property Within the State of Indiana (Exclusive of the Real Estate, Buildings, Machinery and Appliances and Wells, All of which are Subject to Local Taxation) of Pipe Line Companies for the Year 1921.

Name of Company Total A	Issessment
Blue River Natural Gas Co	\$3,500
Citizens Natural Gas, Oil & Water Co No A	ssessment
Fuel Gas Co. of Indiana	16,500
Indiana Gas Light Co	263,340
Indiana Pipe Line Co	7,820,130
Charlottsville Natural Gas Co	2,850
Indiana Gas Transportation Co	296,985
Indiana Natural Gas & Oil Co	760,787
Illinois Pipe Line Co	9,606,100
Lawrence Petroleum Co	13,245
Sinclair Pipe Line Co	102,180
Springport & Mt. Summit Gas Co	7,848
The Tide-Water Pipe Company, Ltd	1,030,800
The Prairie Pipe Line Co	150,784
The Logan Natural Gas & Fuel Co	1,180,000
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TRANSPORTATION COMPANIES

Final Valuations in Indiana of Transportation Companies as Valued by the State Board of Tax Commissioners in 1921. These Valuations are Subject to an Excise Tax of One Per Cent. and Payable to the Auditor of State in the Month of November.

Name of Company	Total	Assessment
A-B-C Transit Refrigerator Co.,		
247 Railway Exchange Bldg., Chicago, Illinois	No	Assessment
Acme Petroleum Co.,		
910 South Michigan Ave., Chicago, Illinois		\$6,000 00
The Anterican Agricultural Chemical Co.,		
2 Rector Street, New York City		1,400 00
American Bridge Company,		
Frick Bldg., Pittsburgh, Pa		1,900 00
The American Cotton Oil Co.,		
65 Broadway, New York City		7,400 00
American Extract Co.,		
Port Allegheny, Pa		1,100 00
American Hominy Co.,		
1404 Fletcher Bldg., Indianapolis, Ind		2,700 00
American Pacific Whaling Co.,		
2105 L. C. Smith Bldg., Seattle Washington		1,000 00
American Refrigerator Transit Co.,		
St. Louis, Mo		69,200 00
American Sugar Refining Co.,		1
117 Wall Street, New York City		5,600 00
American Tank Line of the Grasselli Co.,		
The Guardian Bldg., Cleveland, Ohio		45,000 00
American Tar Products Co.,		
208 S. LaSalle St., Chicago, Illinois		6,200 00
American Zinc Co. of Illinois,		
55 Congress St., Boston Mass		6,900 00
Archer-Daniels Linseed Co.,		
Minneapolis, Minn		3,500 00
The Arms Palace Horse Car Co.,		
Room 614 S. Mich. Ave., Chicago, Illinois		3,100 00
Aurelius-Thomas Gasoline Co.,		
10th Floor First National Bank, Oklahoma City, Okl	a	1,000 00
American Molasses Co. of New York,		
109 Wall Street, New York City	• • • •	2,000 00
American Linseed Co.,		
233 Broadway, New York City	• • • •	6,000 00
Anderson & Gustafson, Inc.,		
Transportation Bldg., Chicago, Illinois	• • • •	1,500 00
The Allied Refining Co.,		0.000.00
415 Kennedy Bldg., Tulsa, Oklahoma	• • • • /	2,000 00
Albers Bros. Milling Co.,		4.000.00
Seattle, Washington		1,000 00

Name of Company	Total Assessment
Atlas Powder Co., 140 N. Broad St., Philadelphia, Pa	2,000 00
Associated Oil Co.,	
55 New Montgomery St., San Francisco, Cal American Linseed Co.,	3,400 00
New York City	7,000 00
Armour and Company,	
Union Stock Yards, Chicago, Illinois	88,300 00
Baker Cocoanut Co., Room 707 13th and Market Sts., Philadelphia, Pa	100 00
Balfour, Williamson & Co.,	
82 Beaver St., New York City	2,800 00
The Barber Asphalt Paving Co., 1900 Land Title Bldg., Philadelphia, Pa	14,500 00
The Barrett Company,	14,000 00
17 Battery Place, New York City	52,500 00
The Berwind-White Coal Mining Co.,	NT - A
1100 Commercial Bldg., Philadelphia, Pa Beaver Refining Co.,	No Assessment
Union Arcade, Pittsburgh, Pa	2,000 00
Biery Oil Company,	
Franklin, Pa	2,100 00
10th Floor Petroleum Bldg., Tulsa, Oklahoma	15,800 00
Boynton Refining Co.,	
Fourth Ave., Pittsburgh, Pa	No Assessment
The Brier Hill Steel Co., Youngstown, Ohio	No Assessment
The British American Oil Co., Ltd.,	Assessment
Royal Bank Bldg., Toronto, Ontario	7,600 00
Brocton Elevator Co.,	40.000.00
Brocton, Illinois	10,800 00
Butler, Pa	7,738 00
Beaver Electric Tank Co.,	
Electra, Texas	
Jas. B. Berry Sons Co., Inc.,	3,800 00
Jas. B. Berry Sons Co., Inc., Oil City, Pa Bliss Oil & Refining Co.,	3,800 00 4,500 00
Jas. B. Berry Sons Co., Inc., Oil City, Pa Bliss Oil & Refining Co., Tulsa, Oklahoma	3,800 00 4,500 00
Jas. B. Berry Sons Co., Inc., Oil City, Pa Bliss Oil & Refining Co., Tulsa, Oklahoma Caddo Central Oil & Mfg. Co.,	3,800 00 4,500 00 1,000 00
Jas. B. Berry Sons Co., Inc., Oil City, Pa Bliss Oil & Refining Co., Tulsa, Oklahoma	3,800 00 4,500 00 1,000 00
Jas. B. Berry Sons Co., Inc., Oil City, Pa Bliss Oil & Refining Co., Tulsa, Oklahoma Caddo Central Oil & Mfg. Co., Shreveport, Louisiana. The Canfield Tank Line Co., Cleveland, Ohio.	3,800 00 4,500 00 1,000 00 26,500 00
Jas. B. Berry Sons Co., Inc., Oil City, Pa Bliss Oil & Refining Co., Tulsa, Oklahoma Caddo Central Oil & Mfg. Co., Shreveport, Louisiana. The Canfield Tank Line Co., Cleveland, Ohio. Central Refining Co.,	3,800 00 4,500 00 1,000 00 26,500 00 7,200 00
Jas. B. Berry Sons Co., Inc., Oil City, Pa Bliss Oil & Refining Co., Tulsa, Oklahoma Caddo Central Oil & Mfg. Co., Shreveport, Louisiana. The Canfield Tank Line Co., Cleveland, Ohio. Central Refining Co., Lawrenceville, Illinois.	3,800 00 4,500 00 1,000 00 26,500 00 7,200 00
Jas. B. Berry Sons Co., Inc., Oil City, Pa Bliss Oil & Refining Co., Tulsa, Oklahoma Caddo Central Oil & Mfg. Co., Shreveport, Louisiana. The Canfield Tank Line Co., Cleveland, Ohio. Central Refining Co.,	3,800 00 4,500 00 1,000 00 26,500 00 7,200 00 83,000 00

	l Assessment
The Continental Sugar Co.,	
Toledo, Ohio	o Assessment
P. O. Box 98, Buffalo, N. Y	3,300 00
Central Chemical Co.,	0,000 00
111 W. Washington St., Chicago, Illinois	1,150 00
Carnegie Steel Co.,	
Pttsburgh, Pa	o Assessment
Capitol Refining Co.,	
South Washington, Va	700 00
California Dispatch Line, 216 Pine St., San Francisco, Cal	0 500 00
Cambria Steel Co.,	9,500 00
Widener Bldg., Philadelphia, PaN	o Assessment
Cedar Rapids Refrigerator Line.	O 1100 COMMITTEE
Cedar Rapids, Iowa	3,450 00
Champion Fibre Co.,	· ·
Canton, N. C	1,990 00
Certain-teed Products Corp.,	
St. Louis, Mo	300 00
Champion Refining Co.,	10.000.00
Enid, Oklahoma	13,800 00
Chestnut & Smith Corp., P. O. Box 2003, Tulsa, Oklahoma	9.7700 00
Cook & Swan Co., Inc.,	2,700 00
148 S. Front St., New York City	400 00
Conewango Refining Co.,	100 00
Warren, Pa	14,300 00
Columbia Naval Stores Co.,	
P. O. Box 1555, Savannah, Ga	1,000 00
The Cleveland Provision Car Co.,	
2527 Canal Road, Cleveland, Ohio	1,300 00
Cleveland Cliffs Iron Co.,	1.000.00
11th Floor Kirby Bldg., Cleveland, Ohio	1,300 00
Cincinnati, Ohio	5,100 00
Chicago, New York and Boston Refg. Co.,	0,100 00
181 W. Quincy St., Chicago, Illinois	10,500 00
Cudahy Milwaukee Refrigerator Line,	
Cudahy, Wisconsin	19,300 00
Crystal Oil Works,	
Oil City, Pa	o Assessment
Crystal Car Line,	00.000.00
200-208 E. Illinois St., Chicago, Illinois	20,300 00
Cruikshank Bros. Co., Pittsburgh, Pa	400 00
Cosden & Company,	400 00
Tulsa, Oklahoma	163,900 00
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Name of Company	Total Assessment
Corn Belt Packing Co.,	
Dubuque, Iowa	9,900 00
The Cudahy Packing Co.,	00.000.00
111 W. Monroe St., Chicago, Illinois	32,200 00
Crew Levick Co.,	4 000 00
111 N. Broad St., Philadelphia, Pa	4,000 00
Constantin Refining Co., Tulsa, Oklahoma	00 000 00
	30,000 00
Commercial Car Line Co.,	15,000,00
208 S. LaSalle St., Chicago, Illinois	15,000 00
Cherry River Extract Co., Richwood, W. Va	1 500 00
The Chatfield Mfg. Co.,	1,500 00
Cincinnati, Ohio	1 000 00
Canfield Refining Co.,	1,000 00
Yale, Oklahoma	1,000 00
E. I. du Pont de Nemours & Co.,	1,000 00
du Pont Bldg., Wilmington, Delaware	9,950 00
Dunbar Molasses & Syrup Co.,	2,000 00
Dunbar Molasses & Syrup Co., New Orleans, La	500 00
The Drovers Packing Co.,	000 00
Kansas City, Kansas	14,000 00
Jacob Dold Packing Co.,	11,000 00
Buffalo, N. Y	4,700 00
Dixie Refining Co.,	_,,
New Orleans, La	No Assessment
Delta Chemical Co.,	
Wells, Mich	No Assessment
Decker Meat Refrigerator Line,	
Decker Meat Refrigerator Line, Mason City, Iowa	1,500 00
DeSota Gasoline Co.,	
Beaumont, Texas	700 00
Express Car Line,	
78 West Monroe St., Chicago, Illinois	No Assessment
Empire Refineries, Inc.,	
Bartlesville, Oklahoma	61,900 00
Emlenton Refining Co.,	
Emlenton, Pa	2,400 00
England, Walton & Co., Inc.	400.00
Newport, Tenn	100 00
Emery Mfg. Co.,	0.000.00
Bradford, Pa	3,900 00
The El Dorado Refining Co.,	0.000.00
El Dorado, Kansas	2,800 00
Elk Refining Co.,	9 500 00
Charleston, W. Va	3,500 00
Elkhorn Piney Coal Mining Co., 1112 1st Wis. National Bank Bld., Milwaukee, Wis	16 200 00
1114 1st wis. National Bank Bid., Milwaukee, Wis	16,800 00

Name of Company	Total Assessment
Empire Oil Works,	
Oil City, Pa	20,000 00
Fruit Growers' Express Co.,	F0 400 00
Washinton, D. C	50,400 00
327 LaSalle St., Chicago, Illinois	26 200 00
Fidelity Petroleum Co.,	36,300 00
903 Daniels Bldg., Tulsa, Oklahoma	2,000 00
Frisco Refrigerator Line Co.	2,000 00
Frisco Refrigerator Line Co., St. Louis, Mo	No Assessment
Freedom Oil Works Co.,	**************************************
Freedom, Pa	3,000 00
Foco Oil Company,	-,
Franklin, Pa	1,100 00
Frye & Company,	
Seattle, Washington	500 00
Wm. Focke's Sons Co.,	
Dayton, Ohio	100 00
Garrett & Company,	
Brooklyn, N. Y	3,000 00
Great Northern Refining Co.,	
Chicago, Illinois	7,000 00
General Chemical Company,	
25 Broad Street, New York City	28,500 00
General Electric Company,	
No. 1 River Road, Schnectady, N. Y	800 00
General Petroleum Corp.,	
1003 Higgins Bldg., Los Angeles, California	4,100 00
Georgia Rosin Product Co.,	****
Brunswick, Georgia	500 00
L. C. Gillespie Sons,	1 000 00
6-8 Fletcher Trust, New York City	1,000 00
Gillican Chipley Co., Inc.,	1 500 00
809 Canal Bank Bldg., New Orleans, La	1,500 00
Glasser, Crandell Co., Western Ave. and 20th St., Chicago, Illinois	500 00
CI DIMITI	300 00
Kansas City, Mo	No Assessment
The Globe Soap Company,	/.
Cincinnati, Ohio	12,400 00
Graver Corporation,	,
East Chicago, Indiana	500 00
Great American Refining Co.,	
309 Wright Bldg., Tulsa, Oklahoma	8,600 00
Gulf Refining Co.,	
Pittsburgh, Pa	19,200 00
Hegeler Zinc Company.	
Danville, Illinois	23,700 00

Name of Company T	otal Assessment
The Hyman Pickle Co.,	
Louisville, Ky	2,900 00
H. J. Heinz Co.,	
Pittsburgh, Pa	14,600 00
Hercules Petroleum Co.,	
Dallas, Texas	3,600 00
Hercules Powder Co.,	
Wilmington, Delaware	100 00
Herf & Frerichs Chemical Co.,	
St. Louis, Mo	1,200 00
Geo. A. Hormel & Co.,	
Austin, Minn.	16,000 00
Humble Oil & Refining Co.,	
Houston, Texas	1,000 00
Indian Refining Co.,	
244 Adams Street, New York City	243,500 00
Indianapolis Abattoir Company,	
Indianapolis, Indiana	3,500 00
Indianapolis Refrigerator Express,	
Indianapolis, Indiana	4,500 00
Illinois Zinc Co.,	
Peru, Ill	3,000 00
Imperial Oil Co.,	
Sarnia, Ont.	7,100 00
Independent Refrigerator Car Co.,	
41st and Halstead Sts., Chicago, Illinois	5,900 00
The Island Petroleum Co.,	
Keyser Bldg., Baltimore, Md	2,700 00
International Tank Line, (ITX),	
Traffic Offices, Atlanta, Ga	4,900 00
Independent Refining Co.,	
Oil City, Pa	3,600 00
Indiahoma Refining Co.,	
Fed. Res. Bank, St. Louis, Mo	15,000 00
Interstate Cotton Oil Refining Co.,	
Sherman, Texas	700 00
Illinois Oil Co.,	
Rock Island, Illinois	1,200 00
Kingan Refrigerator Line,	
Maryland & Blackford Sts., Indianapolis, Ind	81,600 00
Kellogg Products, Inc.,	
110 Delaware Ave., Buffalo, N. Y	7,200 00
Kansas City Structural Steel Co.,	
Kansas City, Kansas	. No Assessment
James S. Kirk & Co., operating	
Jap Rose Tank Line, Chicago, Illinois	100 00
The Kettle River Co.,	
Madison, Illinois	.No Assessment

Name of Company	Total	Assessment
Kansas Oil Refining Co.,		
Coffeyville, Kansas		16,000 00
Keith Railway Equipment Co.,		10.000.00
Chicago, Illinois	• • •	19,600 00
La Belle Iron Works, Steubenville, Ohio		300 00
		500 00
Larkin Company, Inc., 680 Seneca St., Buffalo, N. Y		900 00
Libby, McNeill & Libby,		000 00
Union Stock Yards, Chicago, Ill		1,035 00
Lim Poultry Transit Co.,		
R. 1210, 343 S. Dearborn St., Chicago, Illinois		6,900 00
Louisville Gas & Electric Co.,		
Care H. M. Byllesby & Co., Chicago, Illinois	No	Assessment
Liquids Despatch Line,		2400.00
2513 S. Robey St., Chicago, Ill	• • • •	2,100 00
Loose-Wiles Biscuit Co., Kansas City, Mo		200 00
Louisiana Oil Refining Co.,	• • • •	200 00
Shreveport, Louisiana		9,300 00
Liquefied Petroleum Gas Co.,	• • • •	2,000 00
Tulsa, Okla		1,100 00
Morris & Co. Refg. and Tank Line,		
U. S. Yards, Chicago, Ill	• • • •	42,500 00
Mutual Sales Co.,	,	
Refinery at Russell, Pa., Office at Warren, Pa		100 00
Magnolia Petroleum Co.,		
Dallas, Texas		1,200 00
Matthiessen & Hegeler Zinc Co.,		14.000.00
LaSalle, Ill.		14,300 00
Mitchell Tank Line, 203 S. Dearborn St., Chicago, Illinois		1,300 00
Merrimac Chemical Co.,		1,500 00
148 State St., Boston, Mass		100 00
Michigan Alkali Co.,		
Wyandotte, Mich	• • • •	200 00
Michigan Tanning & Extract Co.,		
Petoskey, Mich		4,500 00
Midland Linseed Despatch,		
Minneapolis, Minn	'	1,900 00
Mid Co. Gasoline Co.,		
Tulsa, Oklahoma		4,600 00
The Midland Refining Co., El Dorado, Kansas		9.900.00
Midwest Refining Co.,	• • •	2,200 00
First National Bank Bldg., Denver, Colo		2,800 00
Mineral Point Zinc Co.,		2,000 00
111 Marquette Bldg., Chicago, Ill		6,730 00

	l Assessment
Missouri River Despatch,	
305 S. LaSalle St., Chicago, IllinoisN	o Assessment
Monsanto Chemical Works,	W 000 00
St. Louis, Mo	7,000 00
Morrell Refrigerator Car Co.,	
Ottumwa, Iowa	7,700 00
Timothy F. Mosely,	
Grand Rapids, Mich	4,200 00
Mutual Refining Co.,	4 000 00
Warren, Pa	1,000 00
Marland Refining Co.,	20.000.00
Ponca City, Oklahoma	23,000 00
Marsh Refrigerator Service Co.,	200 00
Milwaukee, Wis	200 00
Miller Petroleum Works,	1 000 00
P. O. Box 1133 Kansas City, Mo	1,000 00
Michigan Ammonia Works,	F00 00
Detroit, Mich.	500 00
The Mather Stock Car Co.,	20 400 00
501 Peoples' Gas Bldg., Chicago, Illinois	20,400 00
Menasha Wooden Ware Co.,	000 00
Menasha, Wis.	900 00
National Refining Co., operators,	0.500.00
Peerless Transit Line, Cleveland, Ohio	2,700 00
National Zinc Co.,	100.00
Kansas City, Kansas	100 00
The Nagle Packing Co.,	900 00
111 West Monroe St., Chicago, Illinois	200 00
The National Carbon Co.,	700 00
Cleveland, Ohio	700 00
New River & Pocahontas Consolidated Coal Co.,	500.00
1120 Commercial Trust Bldg., Philadelphia, Pa North American Oil & Refining Corp.,	500 00
1107 Colored Piler, Oblohama City, Oblo	99 900 00
1107 Colcord Bldg., Oklahoma City, Okla North Pacific Sea Products Co.,	22,300 00
2105 L. C. Smith Bldg., Seattle, Washington	300 00
Ohio Valley Refining Co.,	300 00
St. Marys, W. Va	2,000 00
The Oak Extract Co.,	2,000 00
Newport, Pa. (Perry Co.)	500 00
Oakland Motor Car Co.,	500 00
Pontiac, Michigan	5,000 00
Oklahoma Producing & Refining Corp. of America,	0,000 00
Tulsa, Oklahoma	14,100 00
Oil State Refining Co.,	14,100,00
Enid, Oklahoma	600 00
Oneta Refining Co.,	300 00
Tulsa, Oklahoma	2,000 00
Chianoma	2,000 00

77 f Cl	4
Pacific Fruit Evapors Co	Assessment
San Francisco, Cal	273,400 00
Pennsylvania Refining Co.,	210,400 00
Carn City, Pa	300 00
George C. Peterson Co.,	300 00
208 S. LaSalle St., Chicago, Illinois	700 00
Phoenix Refining Co.,	
P. O. 1518, Tulsa, Oklahoma	2,500 00
Pensacola Tar & Turp. Co.,	,
Gull Point, Florida	200 00
Producers & Refiners Corp.,	
Denver, Colorado	5,200 00
The Proctor & Gamble Transportation Co.,	
Gwynne Bldg., 6th and Main Sts., Cincinnati, Ohio	42,400 00
Pittsburgh Provision & Packing Co.,	
Pittsburgh, Pa	100 00
Prudential Oil Corporation,	
110 William Street, New York City, N. YNo	Assessment
Pittsburgh Plate Glass Co.,	
Frick Bldg., Pittsburgh, Pa	1,000 00
The Pure Oil Company, 246-252 N. High St., Columbus, Ohio	
	71,000 00
Pan American Refining Co.,	
Tulsa, Oklahoma	12,200 00
Panhandle Producing & Refining Co., 1412 Royal Street, Dallas, Texas	4.000.00
	4,000 00
The Paragon Refining Co., Toledo, Ohio	15 000 00
	15,600 00
Penn American Refining Co., Oil City, Pa	2,200 00
Peet Bros. Mfg. Co.,	2,200 00
15th & Kansas Ave., Kansas City, Kansas	300 00
Penn American Refining Co.,	300 00
Oil City, Pa	200 00
Pennsylvania Tank Line,	200 00
Lock Drawer 544, Sharon, Pa	6,300 00
Porth-Pittman Oil Co	
Newkirk, OklaNo	Assessment
Philadelphia Quartz Co.,	
121 South Third St., Philadelphia, Pa	5,300 00
Philippine Vegetable Oil Co.,	Í
11 Broadway, New York City	4,300 00
Phoenix Cotton Oil Co	
Memphis, Tenn	1,400 00
Pierce Oil Corp.,	
25 Broad St., New York City	15,200 00
Pittsburgh Plate Glass Co.,	
*Columbia Chemical Division, Barberton, Ohio	800 00

Name of Company	Total Assessment
Pittsburgh Oil Refining Co., 32 South St., Baltimore, Md	1,300 00
The Palmolive Co., Milwaukee, Wis.	700 00
Pennsylvania Oil Products Refining Co., Eldred, Pa	
Robertson Co.,	
First National Bank Bldg., Pittsburgh, Pa Robeson Process Co.,	No Assessment
Fifth Ave. Bldg., 200 Fifth Ave., New York City	1,800 00
Roby Tank Line, 135 William St., New York, N. Y	6,200 00
Roxana Petroleum Corp., St. Louis, Mo	230,000 00
The Rath Packing Co.,	
Waterloo, Iowa	3,500 00
Sapulpa, Okla	13,800 00
The D. M. Sears Co., Fort Wayne, Ind	2,000 00
Semet-Solvay Co., Syracuse, N. Y	
Seneca Oil Works,	
Warren, Pa	3,700 00
Kokomo, Ind	8,500 00
Shell Company of California, 343 Sansome St., San Francisco, Cal	1,200 00
The Nicholas Chemical Company, Ltd., operating	
Sherbrooks Tank Line, 25 Broad St., New York City Sinclair Refining Co.,	
Chicago, Illinois	102,300 00
Tulsa, Okla	600 00
Squire Dinger Co., 1918 Elston Ave., Chicago, Illinois	• • • • • • • • • • • • • • • • • • •
Spencer Kellogg and Sons, Inc., Buffalo, N. Y	· .
Sloan & Zook,	
101 Main St., Bradford, Pa	No Assessment
120 Broadway, New York City	2,500 00
Southern Extract Co., Knoxville, Tenn	4,000 00
Southport Mill, Limited,	
1100 Canal-Commercial Bldg., New Orleans, La Standard Asphalt & Refining Co.,	
Bartlesville, Oklahoma	10,500 00

	otal Assessment
Standard Tank Car Co., Sharon, Pa	120,000 00
Standard Distilling & Distributing Co., 27 Williams St., New York City	12,000 00
St. Louis Independent Pkg. Co.,	12,000 00
3817 Chauteau Ave., St. Louis, Mo	11,400 00
St. Louis Oil & Refining Co.,	
St. Louis, Mo	7,000 00
Stoll Oil Refining Co., Louisville, Ky	900 00
B. B. Stroud Co.,	
Bradford, Pa	500 00
Sugar Products Co.,	
16 Exchange Place, New York City	700 00
Superior Oil Works, Warren, Pa	2,000 00
Swift Live Stock Transportation Co.,	2,000 00
Union Stock Yards, Chicago, Illinois	3,900 00
Swift Refrigerator Transportation Co.,	
Union Stock Yards, Chicago, Illinois	63,800 00
The Texas Company,	40 400 00
Houston, Texas	46,100 00
Taylor Lowenstein & Company, Mobile, Ala	1,770 00
Tennessee Coal Iron & R. R. Co.,	2,110 00
Birmingham, Ala	4,000 00
Tennessee Copper Co.,	
61 Broadway, New York City	No Assessment
Terrell Cotton Oil Co., Terrell, Texas	500 00
Tidal Gasoline Co.,	500 00
Tulsa, Oklahoma	2,000 00
Titusville Oil Works	
Titusville, Pa	3,700 00
Transcontinental Oil Co.,	. 00.000.00
233 Fourth Ave., Pittsburgh, Pa	33,300 00
17 N. 7th St., Allentown, Pa	300 00
Union Tank Car Company,	
21 East 40th Street, New York City	442,500 00
The Uncle Sam Oil Company,	
Kansas City, Kansas	3,300 00
Union Oil Company of California, Union Oil Building, Los Angeles, California	2,000 00
Union Coal & Coke Co.,	
Widener Bldg., Philadelphia, Pa	1,500 00
Union Petroleum Co.,	
Widener Bldg., Philadelphia, Pa	9,500 00

Name of Company Union Refrigerator Transit Co.,	tal Assessment
Union Refrigerator Transit Co.,	
Milwaukee, Wis	40,700 00
United Refining Co.,	
Warren, Pa	1,700 00
U. S. Industrial Alcohol Co.,	
27 William St., New York City	23,300 00
Universal Petroleum Co.,	
Waldheim Bldg., Kansas City, Mo	700 00
Valvoline Oil Works, Ltd.,	
East Butler, Pa	2,300 00
Wabash Refining Co.,	
111 W. Market St., Chicago, Illinois	6,000 00
H. A. Logan, Receiver for Warren Oil Co. of Pennsylvania,	
Warren, Pa	86,000 00
Waverly Oil Works Co.,	
54th St., and A. V. R. R., Pittsburgh, Pa	3,800 00
Western Heater Despatch Co.,	
19 South LaSalle St., Chicago, Illinois	6,800 00
Western Industries Co.,	
Agnew, California	700 00
Western Oil Corporation,	
Tulsa, Oklahoma	700 00
The Whitmore Mfg. Co.,	
Cleveland, Ohio	600 00
White Oil Corp.,	
Clarendon, Pa	11,000 00
White Star Refining Co.,	
Detroit, Mich	26,600 00
Wilburine Oil Works, Ltd.,	
Warren, Pa	7,300 00
Willite and Patterson,	
San Francisco, California	2,000 00
Wilson Car Lines,	
Ashland Ave., Chicago, Illinois	19,000 00
Wood Products Co.,	
528 Fourth St., Buffalo, N. Y	8,200 00
Wilson-Martin Co.,	
3000 Market St., Philadelphia Pa	No Assessment
The Youngstown Sheet & Tube Co.,	
Youngstown, Ohio	100 00

BANKS, TRUST COMPANIES, SAVINGS BANKS AND MORTGAGE GUARANTEE COMPANIES

Final Assessment of the Capital Stock (Exclusive of Real Estate, which is locally Assessed) of Banks, Trust Companies, Savings Banks and Mortgage Guarantee Companies for the Year 1921, as Fixed by the State Board of Tax Commissioners.

ADAMS COUNTY

	110111110 00011111				
h		No. of		Per	Total
Location	Name	Shares			Assessment
	The Bank of Berne	500	@	\$152 00	\$76,000
	The Peoples State Bank	500	@	112 40	.56, 200
	'irst National Bank	1,000	@	130 70	130,700
	Old Adams County Bank	1,200	@	98 00	117,600
	Peoples Loan & Trust Company	500	@	78 20	39, 100
	Bank of Geneva	500	@	111 40	55,700
	Carmers & Merchants State Bank	350	@	115 42	40,400
	ank of Linn Grove	175	@	87 42	15,300
	Monroe State Bank	250	@	86 40	21,600
PrebleF	'armers State Bank	250	@	98 40	24,600
	ALLEN COUNTY				
ArcolaA	rcola State Bank	250	@	\$106 80	\$26,700
Fort WayneF	Farmers Trust Company	2,000	@	66 05	132,100
	First & Hamilton National Bank	10,000	@	121 21	1,212,100
. L	incoln National Bank	3,000	@	160 83	482,500
L	incoln Trust Company	5,000	@	83 26	416,300
C	Old National Bank	3,500	@	144 57	506,000
Т	The Peoples Trust & Savings Co	2,000	@	161 95	323,900
В	Bowser Loan & Trust Co,	1,000	@	97 60	97,600
T	The Tri-State Loan & Trust Co	5,000	@	72,91	364,550
F	First Joint Stock Land Bank	100	@	106 80	10,680
C	Citizens Trust Co	2,000	@	15 95	31,900
GrabillG	Frabill State Bank	333	@	48 34	16, 100
HarlanT	The Harlan State Bank	250	@	74 00	18,500
HoaglandT	The Hoagland State Bank	250	@	113 60	28,400
HuntertownH	Iuntertown State Bank	250	@	102 00	25,500
Monroeville	Citizens State Bank	500	@	129 20	64,600
New Haven	New Haven State Bank	350	@	126 28	44,200
T	The Peoples State Bank	320	@	67 81	21,700
Shirley City V	Voodburn Banking Co	250	@	100 08	25,200
SheldonT	The Farmers State Bank	250	@	119 20	29,800
ZanesvilleZ	Zanesville Bank	100	@	132 00	13,200
	BARTHOLOMEW COUNTY				
ColumbusF	Peoples Savings & Trust Co	1,000	(a)	\$154 20	\$154,200
	Farmers Trust Company	1,000	@	108 90	108,900
	rwin's Bank.	1,000	@	202 70	202,700
	First National Bank	1,000	@	144 70	144,700
	Farmers & Merchants Bank	120	@	169 16	20,300
	First National Bank	250	@	126 00	31,500
	Hope State Bank	250	@	135 60	33,900
• 1	Citizens National Bank	300	@	222 00	66,600
1	Jonesville State Bank	250	@	103 20	25,800
	BENTON COUNTY				
Ambia T		0.50	6	0100.00	en# 000
	Farmers & Merchants Bank	250	@	\$103 60	\$25,900
	Farmers & Merchants Bank	400	@	147 00	58,800
	First National Bank	250	@	286 80	71,700
	Earl Park State Bank	250	@	136 00	34,000
	Bank of Benton County	250	@	216 00	54,000
	Farmers & Merchants Bank.	400	@	211 75	84,700
	State Bank of Otterbein	600	@	173 80	104,300
Oxford	The State Dank of Oxford	250	@	133 20	33,300

BENTON COUNTY-Continued

		No. of		Per	Total
Location	Name	Shares		Share .	Assessment
	. First National Bank	250	@	150 40	37,600
Fowler	. First National Bank	750	@	165 00	123,800
	. Bank of Oxford	250	@	108 00	27,000
Raub	. Raub State Bank	250	@	97 60	24,400
	BLACKFORD COUNTY				
Hartford City	. Blackford County State Bank	750	(a)	\$127 86	\$95,900
Italiana Oly	Citizens State Bank	800	@	127 12	101,700
	First National Bank	500	@	94 00	47,000
Montpelier		500	@	135 80	67,900
Azoneponor	The Farmers Deposit Bank	500	@	90 00	45,000
	BOONE COUNTY				
Advance	. State Bank of Advance	250	@	\$85 00	\$21,400
	Citizens State Bank	300	@	195 00	58,500
	Boone County State Bank.	1,000	@	100 60	100,600
TADAHOH.,,,	Citizens Loan & Trust Company	500	@	110 00	55,000
	Farmers State Bank	1,000	@	140 30	140,300
	First National Bank	1,000	@	173 50	173,500
Mechanicshurg	. Mechanicsburg Bank	150	@	67 33	10,100
	. Home National Bank	300	@	147 33	44,200
111011100 WIL	State Bank of Thorntown.	400	@	177 25	70,900
Whitestown	. Citizens Bank	100	@	152 00	15, 200
WILL DESCOMIL	Peoples State Bank.	250	@	52 00	13,000
Zionavillo	Farmers Bank	100	@	190 00	19,000
годатно	Rosston.	100	@	67 00	6,700
	BROWN COUNTY				
Nashville	. Nashville State Bank	250	@	\$170 80	\$42,700
	CARROLL COUNTY				
Rurlington	.Burlington State Bank	250	@	\$110 00	\$27,500
	Farmers State Bank.	250	@	94 40	23,600
Candon	Camden State Bank	250	@	76 00	19,000
Delphi		250	@	80 40	20,100
	Citizens National Bank	750	@	119 00	82,500
	Delphi State Bank.	500	@	150 00	75,000
Flora	Bright National Bank.	250	@	120 40	30,100
riota	Carroll County Loan, Trust & Savings Co	500	@	104 00	52,000
Rockfield	Rockfield Bank	100	@	100 00	10,000
	Bank of Yeoman	100	@	99 00	9,900
	.A. T. Bowen & Co.	100	@	473 00	47,300
~ 			•	1.0 00	21,000
•	CASS COUNTY				
Galveston	. First State Bank	250	@	\$112 80	\$28,200
	G. W. Conwell Bank	100	@	585 00	58,500
Logansport		1,000	@	74 80	74,800
	City National Bank	2,000	@	97 95	195,900
	Farmers & Merchants State Bank	1,000	@	132, 50	132,500
	First National Bank	2,500	@.	128 24	320,600
	Logansport Loan & Trust Co	1,000	@	85 30	85,300
7	Logansport State Bank	1,500	@	165 40	248, 100
	. Lucerne State Bank	250	@	115 20	28,800
	. Farmers State Bank.	250	@	95 60	23,900
Royal Center	. The Citizens State Bank	250	@	84 80	21,200
Therefore Mile	The Royal Center State Bank	300	@	145 33	43,600
	. Twelve Mile State Bank	250	@	120 00	30,000
	. Cass County State Bank	300 250	@ @	112 66 105 60	33,800 26,400
roung america	. Parmers beate Dank	200	w	109 00	20,400

CLARK COUNTY

		No. of		Per	Total
Location	Name	Shares		Share	Assessment
	. Borden State Bank	250	@	\$170 80	\$42,700
Charlestown		375	@	144 53	54,200
	First National Bank	250	@	141 20	35,300
	. Henryville State Bank	250	@	166 00	41,500
Jeffersonville	. Citizens Trust Company	1,000	@	142 60	- 142,600
	Clark County State Bank	750	@	103 20	77,400
	First National Bank	1,500	@	106 26	159,400
	. New Washington State Bank	250	@	143 20	35,800
Sellersburg	. Sellersburg State Bank	250	@	112 40	28,100
	CLAY COUNTY				
Brazil		1,000	@	\$117 90	\$117,900
214441	Citizens National Bank.	1,000	@	68 90	68,900
	Davis Trust Company.	500	@	110 00	55,000
	First National Bank	1,000	@	148 90	148,900
	Riddell National Bank.	500		126 80	
Carbon			@		63,400
Carbon		250	@	49 60	12,400
	. First National Bank	250	@	123 20	30,800
Clay City	. Farmers & Merchants Bank	500	@	120 00	60,000
~	First National Bank	250	@	114 00	28,500
Cory	. The Citizens Bank	100	@	207 00	20,700
Poland	. The Bank of Poland	110	@	163 63	18,000
	CLINTON COUNTY				
Colfax	. Colfax Bank	500	@	\$ 94 40	\$47,200
	Farmers State Bank	250	@	74 40	18,600
Forest	. Citizens Bank	100	@	211 00	21,100
Frankfort	American National Bank.	1,000	@	130 70	130,700
	Citizen's Loan & Trust Co	500	@	149 20	74,600
	Clinton County Bank & Trust Co	1,000	@	92 80	92,800
	Farmers Bank	1,000	@	139 50	139,500
	First National Bank	2,000	@	134 15	268,300
	Frankfort Loan & Trust Co.	250	@	262 80	65,700
Hilliahung	Hillisburg Bank.	200	@	91 00	18, 200
	Farmers State Bank.	300	@	103 33	31,000
KIIKIIII	First National Bank	500	@	140 20	
M:-1:		250	_	118 20	70, 100
	Peoples State Bank		@		29,500
Mulberry	. Citizens National Bank.	500	@	145 60	72,800
	Mulberry State Bank	250	@	170 40	42,600
Rossville	. Bank of Rossville	100	@	240 00	24,000
	Farmers State Bank	250	@	91 20	22,800
	. Farmers Bank.	100	@	148 00	14,800
Sedalia	. Bank of Sedalia	100	@	. 189 00	18,900
	CRAWFORD COUNTY				•
	. Crawford County State Bank	250	@	\$138 00	\$34,500
	. Leavenworth State Bank	250	@ .	127 60	31,900
Milltown	. First National Bank	250	@	175 20	43,800
Marengo	. Bank of Marengo	100	@	420 00	42,000
	DAVIESS COUNTY				
Finore	. The Citizens Bank	110	@	200 00	22,000
•		110	@		21,400
	Farmers & Merchants Bank	100	@	214 00	
Odod	Farmers Bank	100	@	190 00	19,000
Disinguille	First National Bank	500	@	162 40	81,200
	Farmers Bank	100	@	209 00	20,900
wasnington	The Citizens Loan & Trust Co	1,000	@	150 50 182 00	150,500
,	Peoples National Bank.	1,000	@		182,000
	The State Bank of Washington	500	@	64 40	32,200
	Washington National Bank	1,000	@	213 80	213,800

DEARBORN COUNTY

	No. of		Per	Total
Location Name	Shares		Share A	1ssessment
Aurora	500	@	\$138 40	\$69,200
First National Bank	1,000	@	138 60	138,600
Dillsboro First National Bank		@	128 00	32,000
Dillsboro State Bank	250	@	175 60	43,900
Lawrenceburg American State Bank	250	@	228 40	57, 100
Dearborn National Bank		@	139 60	69,800
Peoples National Bank		@	191 60	239,500
Moores Hill Moores Hill State Bank		@	158 00	39,500
				,
DECATUR COUNTY				
Alert Alert State Bank	250	@	\$122 40	\$30,600
BurneyBurney State Bank		@	82 00	20,500
Clarksburg		@	213 60	53,400
Greensburg Citizens National Bank		@	126 30	126,300
Greensburg National Bank	. 750	@	131 86	98,900
Third National Bank	1,500	@	125 13	187,700
Union Trust Company	500	@	260 00	130,000
Letts Letts State Bank	. 250	@	122 40	30,600
New Point First State Bank	250	@	120 80	30,200
St. PaulFarmers State Bank	250	@	29 20	7,300
Westport First National Bank		@	143 00	42,900
				,
DEKALB COUNTY				
Ashley Ashley State Bank	250	@	\$95 20	\$23,800
Auburn Auburn State Bank	750	@	168 00	126,000
City National Bank	500	@	112 00	56,000
Butler First National Bank	250	@	100 00	25,000
Knisely Brothers & Co. Bank	. 600	@	209 66	125,800
CorunnaThomas Exchange Bank	250	@	107 60	26,900
Garrett Garrett Savings, Loan & Trust Co	400	@	75 75	30,300
Garrett State Bank	500	@	224 20	112,100
Spencerville Farmers & Merchants State Bank	250	@	113 60	28,400
Auburn Savings, Loan & Trust Co		No	Assessment	
St. Joe St. Joe Valley Bank, a State Bank	250	(a)	124 40	31,100
WaterlooCitizens Bank		@	212 80	53,200
DELAWARE COUNTY				
Albany Albany State Bank	300	@	\$138 00	\$41,400
Daleville The Commercial Bank	120	@	225 83	27,100
Eaton Eaton State Bank	250	@	85 20	21,300
Farmers State Bank	300	@	263 00	78,900
GastonGaston Banking Company	300	@	177 33	53,200
Muncie Delaware County National Bank	3,000	@	163 66	491,000
Farmers Savings Bank	750	@	120 00	90,000
Merchants National Bank	4,000	@	95 27	381,100
Merchants Trust & Savings Co	2,000	@	127 55	255, 100
Muncie Banking Company	100	@	141 00	14, 100
Peoples Trust Company		@	61 30	61,300
Oakville Farmers State Bank		@	111 20	27,800
Selma The Bank of Selma		@	113 00	11,300
Yorktown Yorktown Banking Company		@	211,00	21, 100
DUBOIS COUNTY				
Birdseye Birdseye National Bank		@	138 40	\$34,600
Dubois Farmers State Bank		@	134 00	33,500
Ferdinand Beckman State Bank		@	154 40	38,600
Holland	250	@	149 60	37,400

YEAR BOOK

DUBOIS COUNTY—Continued

	o o o o o o o o o o o o o o o o o o o	No. of		Per	Total
Location Name		Shares			Assessment
	******	250	@	42 80	10,700
First National Bank		500	@	105 20	52,600
		500	@	203 60	101,800
	Bank	375	@	230 66	86,500
	State Bank	250	@	126 40	31,600
	ık	400	@	126 00	50,400
Huntingburg Citizens Trust Compar		250	@	102 00	25,500
	HART COUNTY				,
Bristol Bristol State Bank		300	@	\$143 33	\$43,000
Elkhart The Citizens Trust Co		750	@	120 13	90,100
		1,000	@	115 50	115,500
		1,000	@	94 70	94,700
	У	500	@	47 80	23,900
•	ζ	1,500	@	250 73	376, 100
	• • • • • • • • • • • • • • • • • • • •	1,000	@	155 20	155, 200
· · · · · · · · · · · · · · · · · · ·	Company	750	@	114 93	86,200
		1,400	@	107 28	150,200
	shen	800	@	90 62	72,500
Middlebury First State Bank		250	@	221 20	55,300
Nappanee Farmers & Traders Ba		800	@	112 87	90,300
		400	@	129 25	51,700
New Paris The New Paris Bank.		100	@	141 00	14,100
Millersburg Millersburg State Ban		250	@	123 20	30,800
Wakarusa Citizens Bank		100	@	96 00	9,600
		200	@	103 50	20,700
First National Bank		250	@	73 20	18,300
FAY	ETTE COUNTY				
BentonvilleBentonville State Bank	r	250	(a)	\$102 00	\$25,500
Connersville		1,000	@	92 80	92,800
	Company	4,000	@	91 50	366,000
	····	2,000	@	106 20	212,400
	OYD COUNTY	2,000	•	200 20	
				0400 00	
Georgetown State Ban		250	@	\$120 00	\$30,000
New Albany American Bank & Tru		3,500	@	97 37	340,800
		500	@	152 00	76,000
	sit Co	1,000	@	163 90	163,900
	Bank	1,000	@	198 70	198,700
		1,000	@	90 10	90,100
Second National Bank		3,000	@	160 33	481,000
	NTAIN COUNTY				
AtticaCentral National Bank		1,000	@	\$113 00	\$113,000
	Bank	720	@	127 22	91,600
Cates The Cates Bank		100	@	150 00	15,000
CovingtonCitizens Bank		600	@	139 16	83,500
		700	@	99 28	69,500
)	250	@	114 40	28,600
Hillsboro State Bank.		250	@	152 00	38,000
Kingman Citizens State Bank		250	@	46 00	11,500
		250	@	129 20	32,300
Mellott		100	@	151 00	15, 100
Newtown		100	@	291 00	29,100
VeedersburgFarmers State Bank		250	@	92 00	23,000
		350	@	94 28	33,000
	ık	250	@	73 60	18,400
Wallace Farmers Bank		100	@	174 00	17,400
YeddoThe Yeddo Bank		100	@	110 00	11,000

FRANKLIN COUNTY

	No. of		Per	Tota
Location Name	Shares		Share	Assessment
Brookville Franklin County National Bank	500	@	\$195 20	\$97,600
National Brookville Bank	1,000	@	144 50	144,500
Peoples Trust Co	750	@	130 80	98, 100
Laurel Laurel Bank	100	@	145 00	14,500
Cedar Grove	250	@	103 20	25,800
Metamora The Farmers Bank	100	@	146 00	14,600
Oldenburg The Farmers & Merchants Bank	250	@	142 40	35,600
THE TON COUNTY				
FULTON COUNTY				
Akron Exchange Bank	300	@	\$134 33	\$40,300
State Bank of Akron	250	@	27 60	6,900
Fulton Fulton State Bank	250	@	134 40	33,600
Grass Creek Citizens Bank	120	@	93 33	11, 200
Kewanna American National Bank	250	@	109 20	
First State Bank	250	_		27,300
	100	@	122 80 356 00	30,700
Leiters Ford Leiters Ford Bank. Rochester United States Bank & Trust Co.		_		35,600
	750	@	118 93	89,200
First National Bank	500	@	240 00	120,000
GIBSON COUNTY				
Fort Branch Farmers & Merchants National Bank	250	@	\$133 60	\$33,400
First National Bank	250	@	100 80	25,200
OwensvilleOld State Bank	300	@	102 33	30,700
Francisco Francisco State Bank	250	@	153 60	38,400
Haubstadt	250	@	212 80	53,200
HazeltonCitizens State Bank	400	@	190 25	76,100
Mackey	250	@	101 20	25,300
Oakland CityColumbia State Bank	250	@	140 40	35, 100
First National Bank	500	@	134 20	67,100
Owensville First National Bank	250	@	14 40	3,600
First State Bank	500	@	105 00	52,500
PatokaPatoka National Bank	250	@	142 00	35,500
Princeton Citizens Trust & Savings Bank	500	@	131 20	65,600
Farmers National Bank	1,000	@	108 50	108,500
Peoples American National Bank	1,250	@	162 00	202,500
CRANT COUNTY				
GRANT COUNTY				
Fairmount Citizens State Bank	250	@	\$118 40	\$29,600
Fairmount State Bank	400	@	150 00	60,000
Fowlerton Fowlerton Bank	100	@	188 00	18,800
Gas City First State Bank	250	@	122 00	30,500
JonesboroCitizens Bank	250	@	74 80	18,700
Marion Farmers Trust & Savings Co	1,250	@	169 76	212,200
First National Bank.	2,000	@	123 00	246,000
Marion National Bank	2,500	@	42 96	107,400
Marion State Bank		_	195 40	
South Marion State Bank	1,500 250	@	110 80	293, 100 27, 700
Citizens Trust & Savings Co	600	@	121 16	72,700
		_		
Grant Trust & Savings Co	1,500	@	149 26	223,900
	250	@	117 60	29,400
Sweetser Farmers State Bank	250	@	185 60	46,400
Swayzee First National Bank	500	@	117 40	58,700
Upland State Bank	250	@	122 80	30,700
Van Buren Farmers Trust Company	300	@	84 66	25,400
Van Buren State Bank	350	@	164 57	57,600

YEAR BOOK

GREENE COUNTY

	GREENE COUNTY	AT.		D	(II) - 1 - 2
Tanation.	Mama	No. of		Per	Total
Location	Name	Shares	0		Assessment
Bloomfield		300	@	\$155 00	\$46,500
	Bloomfield Trust Co	300	@	135 00	40,500
	Citizens State Bank.	250	@	157 20	39,300
	Farmers Bank & Trust Co	500	@	71 40	35,700
Jasonville	. First National Bank	500	@	176 00	88,000
	The Peoples State Bank	250	@	142 80	35,700
Linton	. First National Bank	1,000	@	128 80	128,800
*	Linton Trust Company	500	@	129 60	64,800
Lyons	.Bank of Lyons	100	@	203 00	20,300
	Corn Exchange Bank	250	@	124 40	31,100
Marco	. Farmers Bank	100	@	252 00	25,200
	. Citizens Bank	100	(a)	226 00	22,600
	. Worthington Exchange Bank	300	(a)	110 33	33, 100
Workington	Worthington Trust Co	500	@	111 40	55,700
:	HAMILTON COUNTY	000	©	111 10	50,100
Arcadia	Central Bank	100	@	\$87 00	\$8,700
	First National Bank	250	@	103 60	25,900
Atlanta	. State Bank of Atlanta	250	@	115 20	28,800
	. Citizens State Bank	250	@	96,80	24,200
	Citizens National Bank	300	@	101 33	30,400
	Fishers National Bank	250	@	87 60	21,900
	American National Bank.	500	@	159 00	79,500
Noblesvine		1,000	-	157 60	
gi : i	Wainwright Trust Company		@		157,600
Sheridan	American State Bank	400	@	128 25	51,300
	Farmers National Bank	600	@	156 83	94, 100
	First National Bank	750	@	81 46	61, 100
	. State Bank of Westfield	250	@	129 20	32,300
Noblesville	. Citizens State Bank	1,000	@	165 20	165,200
	First National Bank	625	@	108 00	67,500
	Noblesville Trust Company	250	@	100 40	25,100
	HANCOCK COUNTY				
Charlottesville	. The Citizens Bank	150	@	\$145 33	\$21,800
Fortville	. First National Bank	250	@	136 00	34,000
	The Fortville State Bank	250	@	200 00	50,000
Greenfield	. Capital State Bank.	500	@	145 00	72,500
Giocanola,	Citizens Bank	500	@	126 00	63,000
	Greenfield Banking Co.	500	(a)	169 00	84,500
Mohamb	Mohawk State Bank.	250	@	99 60	24,900
	New Palestine Bank.	200		205 00	
			@		41,000
	Farmers National Bank.	250	@	198 40	49,600
Willow Branch	. Willow Branch State Bank	250	@	99 20	24,800
	HARRISON COUNTY				
Corydon	. Corydon National Bank	1,250	@	\$162-08	\$202,600
`	Farmers Savings & Trust Comapny	250	@	140 80	35,200
Corydon Junction,			Ŭ		,
	. Jackson Township Bank	150	(a)	110 66	16,600
	. Harrison County State Bank	250	@	100 80	25, 200
	The Elizabeth Bank	100	@	129 00	12,900
	Farmers State Bank.	250	@	146 40	36,600
	Citizens Bank.	250 150	_	262 66	39,400
ганшуга		100	@	202 00	39,400
	HENDRICKS COUNTY	0#0	6	0157 00	200 225
	. First National Bank	250	@	\$155 20	\$38,800
Brownsburg	. Brownsburg State Bank	250	@	177 60	44,400
	Hunter Bank	100	@	350 00	35,000
Clayton	. Clayton State Bank	250	@	140 40	35, 100
	Peoples Bank & Trust Co	250	@	109 60	27,400
Coatesville	. First National Bank	250	@	180 80	45,200
	Coatesville State Bank	250	@	93 20	23,300

HENDRICKS COUNTY—Continued

		No. of		Per	Total
Location	Name	Shares		Share .	Assessmen t
Danville	. Danville State Bank	250	@	202 00	50,500
	The Danville Trust Co	250	@	154 80	38,700
	First National Bank	1,000	@	164 00	164,000
Hazelwood	. Farmers Bank	100	@	223 00	22,300
Lizton	. Bank of Lizton	250	@	100 00	25,000
North Salem	. North Salem Bank	100	@	139 00	13,900
	. Pittsboro State Bank	250	@	120 00	30,000
Plainfield	. Citizens State Bank	250	@	212 00	53,000
	First National Bank	250	@	234 40	58,600
Stilesville	. Citizens State Bank	250	@	122 80	30,700
	E. R. Robards Bank	100	@	298 00	29,800
	HENRY COUNTY				
Blountsville	. Blountsville Bank	110	@	\$191 81	\$21,100
Kennard	. Kennard Bank	110	@	160 00	17,600
Knightstown	. Citizens National Bank	500	@	214 20	107, 100
	First National Bank	500	@	315 00	157,500
Lewisville	. First National Bank	350	@	242 57	84,900
Middletown	. The Farmers State Bank	300	@	166 67	50,000
	Middletown State Bank	250	@	68 00	17,000
Mooreland	. Farmers Bank	150	@	95 33	14,300
	Mooreland State Bank	300	@	160 66	48,200
Mount Summit	. The Mount Summit Bank	100	@	177 00	17,700
Newcastle	. Central Trust & Savings Co	750	@	130 53	97,900
	First National Bank	1,000	@	132 80	132,800
	Farmers National Bank	1,000	@	116 60	116,600
New Lisbon	. The Farmers Bank	130	@	133 07	17,300
	. Citizens State Bank	1,300	@	187 76	244, 100
Straughn	. The Peoples Bank,	100	@	112 00	11,200
Spiceland	. The Henry County Bank	100	@	192 00	19,200
Sulphur Springs	. Peoples Bank	100	@	73 00	7,300
	The Sulphur Springs Bank	100	@	104 00	10,400
Shirley	. Citizens State Bank	250	@	182 80	45,700
Springport	. Springport Bank	100	@	71 00	7,100
	HOWARD COUNTY				
Greentown	. The State Bank of Greentown	400	@	\$168 25	\$67,300
Hemlock	. Hemlock State Bank	252	@	48 80	12,300
Kokomo	. American Trust Co	1,000	@	156 90	156,900
	Citizens National Bank	2,500	@	179 76	449,400
	The Farmers Trust & Savings Bank	1,500	@	171 26	256,900
	Howard National Bank	2,000	@	152 70	305, 400
	Kokomo Trust Company	1,000	@	166 10	166, 100
	Peoples Trust & Savings Bank	1,000	@	106 40	106,400
	South Kokomo Bank	250	@	124 80	31,200
Russiaville	. First National Bank	250	@	284 80	71,200
	HUNTINGTON COUNTY				
Andrews	. State Bank of Andrews	250	@	\$160 40	\$40,100
Bippus	. Bippus State Bank	250	@	133 60	33,400
Huntington	. Citizens State Bank	1,000	@	142 20	142,200
	Huntington County Bank	1,000	@	185 40	185,400
	Huntington Trust & Savings Bank	1,000	@	111 30	111,300
	Farmers Trust Company	500	@	101 60	50,800
	First National Bank	1,000	@	163 00	163,000
	. Farmers & Traders Bank	250	@	188 80	47,200
Roanoke	. First National Bank	300	@	96 66	29,000
	Farmers State Bank	300	@	85 00	25,500
Warren	. Exchange Bank	500	@	206 60	103,300
	First National Bank	250	@	139 60	34,900

JACKSON COUNTY

		No. of		Per	Total
Location	Name	Shares			lssessment
Brownstown		400	@	101 00	40,400
	Citizens State Bank	250	. @	155 60	38,900
	First National Bank	500	@	124 20	62,100
Crothersville	. Crothersville State Bank	300	@	120 00	36,000
	Citizens State Bank	250	@	99 60	24,900
	.The Medora State Bank	450	@	127 77	57,500
Seymour	First National Bank	1,000	@	158 50	158,500
	Jackson County Loan & Trust Co	600	@	111 83	67,100
37 ft. 1	Seymour National Bank	1,000	@	137 40	137,400
	. Vallonia State Bank	250	@	168 80	42,200
Freetown	. Farmers Bank	100	@	102 00	10,200
	JASPER COUNTY				
	Bank of DeMotte	100	@	\$86 00	\$8,600
Remington	. Farmers National Bank	300	@	92 66	27,800
	State Bank of Remington	300	@	124 33	37,300
Rensselaer	. Farmers & Merchants National Bank	750	@	60 13	45,100
	First National Bank	1,200	@	103 33	124,000
	The Trust & Savings Bank	1,000	@	112 17	112,700
	The State Bank of Rensselaer	750	@	136 13	102,100
Wheatfield	Bank of Wheatfield		No	Assessment	•
	JAY COUNTY				
	. Farmers & Merchants Bank	250	@	\$92 00	\$23,000
Dunkirk	. Citizens State Bank	300	@	69 33	20,800
	First State Bank of Dunkirk	500	@	121 00	60,500
Pennville	Peoples State Bank	250	@	94 80	23,700
	The Pennville Bank	250	@	100 00	25,000
Portland	. The Citizens Bank	1,000	@	148 60	148,600
	Farmers State Bank	350	@	. 123 71	43,300
	First National Bank	500	@	135 60	67,800
	Jay County Savings & Trust Co	250	@	132 80	33,200
	Peoples Bank	500	@	331 60	165,800
Red Key	Bank of Red Key	430	@	135 81	58,400
	Farmers State Bank	350	@	83 71	29,300
Salamonia	. Farmers Bank of Salamonia	140	@	89 28	12,500
	JEFFERSON COUNTY				
Deputy	Jefferson County Bank	150	@	\$170 00	\$25,500
	. Dupont State Bank	250	@	121 20	30,300
Hanover	Hanover Deposit Bank	250	@	105 20	26,300
Madison	. First National Bank	1,000	@	123 30	123,300
	Madison Safe Deposit Trust Co	750	@	290 13	217,600
	National Branch Bank	1,500	@	234 00	351,000
North Madison	. North Madison State Bank	250	@	88 80	22,200
	JENNINGS COUNTY				
Butlerville	. Butlerville State Bank	250	@	\$148 40	\$37, 100
Commiskey	. Citizens Bank	100	@	125 00	12,500
North Vernon	First National Bank	600	@	184 00	110,400
	North Vernon National Bank	500	@	136 60	68,300
	. Paris Crossing State Bank	250	@	140 40	35,100
	. Amick's Bank	100	@	103 00	10,300
Vernon	. First National Bank	500	@	125 40	62,700
	JOHNSON COUNTY				
Bargersville	. Farmers State Bank	250	@	\$186 40	\$46,600
	. Farmers National Bank	250	@	193 60	48,400
	Thompson's Bank	1,000	@	135 00	135,000
Franklin	. Citizens National Bank	1,000	@	131 60	131,600
	Farmers_Trust_Company	400	@	189 75	75,900

JOHNSON COUNTY-Continued

		No. of		Per	Total
Location	Name	Shares		Share	Assessment
Franklin	. Franklin National Bank	1,250	@	128 72	160,900
	Union Trust Company	300	@	161 00	48,300
Greenwood	. Citizens National Bank	250	@	277 60	69,400
	The First National Bank	250	@	300 80	75,200
Needham	. Farmers & Traders Bank	250	@	92 80	23,200
Trafalgar	. Farmers National Bank	250	@	124 00	31,000
Whiteland	. Whiteland National Bank	250	@	130 00	32,500
	KNOX COUNTY				
Bicknell	Bicknell Trust & Savings Company	250	@	\$130 00	\$32,500
Diomenica	Citizens Bank	350	@	148 85	52,100
	First National Bank.	300	@	114 33	34,300
Bruceville	. Bruceville State Bank	250	@	134 00	33,500
	. Farmers & Merchants Bank	250	@	102 40	25,600
	. The Edwardsport Bank	250	@	107 20	26,800
	. The Freelandville Bank	250	@	129 20	32,300
FICCIONATION	Peoples Bank	100	@	91 00	9,100
Monroe City	Monroe City State Bank	250	@	99 60	24,900
	Oaktown Bank.	400	@	151 00	60,400
	. Renner's Bank.	150	@	168 00	25,200
Dandborn	Sandborn Banking Co.	250	@	211 60	52,900
Vincennes	. American National Bank	3,250	@	162 83	529, 200
VIIICCIIICS	The Citizens Trust Company	1,000	@	102 33	108,300
	First National Bank	1,000	@	197 60	197,600
	Knox Bank & Trust Company	1,000	@	116 30	116,300
	Harrison Bank & Trust Co.	1,000	@	25 30	25,300
	The Wabash Bank	100	@	111 00	11,100
Wheatland		100	@	186 00	18,600
Williamana,		100	w	100 00	10,000
	KOSCIUSKO COUNTY				
Rurket	. Bank of Seward	100	@	\$128 00	\$12,800
	State Bank of Claypool.	250	@	117 60	29,400
	Etna Bank	200	@	215 00	43,000
	Peoples State Bank	250	@	140 00	35,000
	Farmers Bank	750	@	100 40	75,300
	. Farmers State Bank	250	@	108 40	27,100
Minora	Citizens State Bank	250	@	101 60	25,400
North Webster	. Farmers State Bank	250	@	104 80	26,200
	. State Bank of Pierceton.	400	@	127 75	51,100
	Bank of Sidney	100	@	117 00	11,700
	Commercial State Bank	250	@	87 20	21,800
	. State Bank of Syracuse.	250	@	204 80	51,200
	. Indiana Loan & Trust Co.	500	@	167 60	83,800
***************************************	The Lake City State Bank.	500	@	102 20	51,100
	State Bank of Warsaw	1,000	@	121 50	121,500
Atwood	Atwood Bank	150	@	91 33	13,700
110110001		100	6	91 99	13,700
	LAGRANGE COUNTY				
Lagrange	. Lagrange County Trust Co	300	•	#100 cc	e no 000
Lagrange	Lagrange State Bank		@	\$106 66	\$32,000
		500	@	184 60	92,300
Ueme	National Bank of Lagrange	500	@	213 40	106,700
	Mongo State Bank	200	@	252 50	50,500
		250	@	115 60	28,900
	Farmers State Bank	250	@	188 40	47,100
	Farmers State Bank	250	@	100 00	25,000
	Farmers State Bank	250	@	118 00	29,500
торека		400	@	101 50	40,600
Wolasttvilla	State Bank of Topeka	400	@	138 75	55,500
wolcottville	Wildman's State Bank	250	@	. 148 80	37,200
	пишан в рас ранк	250	@	88 40	22,100

LAKE COUNTY

	LAKE COUNT				
		No. of	•	Per	Total
Location '	Name	Shares		Share .	Assessment
Crown Point	Commercial Bank	600	@	\$200 66	\$120,400
	First National Bank	500	@	233 80	116,900
	Peoples State Bank	600	@	188 00	
D					112,800
	. First National Bank	250	@	341 60	85,400
East Chicago	American State Bank	500	@	140 60	70,300
	East Chicago State Bank	500	@	49 80	24,900
	First Calumet Trust & Savings Company	500	@	256 00	128,000
	First Trust & Savings Bank	. 500	@	139 60	69,800
	First National Bank	1,000	@	80 50	80,500
Garv	. American State Bank	250	@	133 20	33,300
Gary	Central State Bank	250	@	120 00	30,000
	First National Bank	2,000	@	125 50	251,000
	First State Bank of Tolleston	250	@	86 40	21,600
	Gary State Bank	2,000	@	83 30	166,600
	Gary Trust & Savings Bank	500	@	203 40	101,700
	International Trust & Savings Bank	1,000	@	55 20	55,200
	National Bank of America	1,000	@	17 80	17,800
	South Side Trust & Savings Co	500	@	38 80	19,400
		250		114 80	
	Mid City State Bank.		@		28,700
Hammond	Citizens National Bank	1,000	@	145 10	145, 100
	First National Bank	2,500	@	216 64	541,600
*	First Trust & Saving Co	1,250	@	192 24	240,300
	Hammond Trust & Savings Bank	500	@	128 00	64,000
	Northern Trust & Savings Co	300	@	100 66	30,200
	Peoples State Bank	250	@	120 40	30, 100
	Standard Trust & Savings Bank.	250	@	113 60	28,400
	-		_		
	State Bank of Hammond	250	@	137 60	34,400
	American Trust & Savings Bank	1,000	@	64 10	64, 100
Highland	Farmers & Merchants Bank	120	@	115 00	13,800
Hobart	American Trust & Savings Bank	300	@	27 33	8,200
	First State Bank	250	@	112 40	28, 100
	The Hobart Bank	100	@	95 00	9,500
T. Nama Hankon	. Citizens Trust & Savings Bank.	500	@	78 00	39,000
Indiana Harbor	D' at Co to Manual & Comings Dank	500	@	248 60	124,300
	First State Trust & Savings Bank				
	Indiana Harbor National Bank	1,000	@	181 40	181,400
Lowell	. First National Bank	500	@	157 20	78,600
	Lowell National Bank	500	@	178 40	89,200
Whiting	Central States Bank	500	@	121 00	60,500
11 11 11 11 11 11 11 11 11 11 11 11 11	First National Bank	500	@	139 60	69,800
	First Trust & Savings Bank	500	@	130 40	65,200
	American Trust & Savings Bank	500	@	101 20	50,600
			_	203 20	
•	Bank of Whiting	500	@	203 20	121,600
	* A POD MIT GOVERNMENT				
	LAPORTE COUNTY				
TT	. Farmers & Merchants Bank	100	@	\$140 00	\$14,000
Hanna	. Farmers & Welchants Dank			172 00	43,000
Lacrosse	. Citizens State Bank	250	@		
Laporte	A. P. Andrew Jr. & Son Bank	1,000	@	241 60	241,600
	Bank of the State of Indiana	1,000	@	235 50	235,500
	First National Bank	2,500	@	90 20	225,500
	The Laporte Loan & Trust Co	500	@	137.40	68,700
	The Laporte Savings Bank	No	Stock	holders	199,900
	Peoples Trust & Savings Bank	1,000	(a)	137 60	137,600
	- and D. I	1,000	@	133 20	133,200
Michigan City			_	76 40	95,500
	First National Bank	1,250	@		
	Merchants National Bank	1,000	@	. 88 10	88, 100
	Michigan City Trust & Savings Bank	500	@	61 60	30,800
Rolling Prairie	. Peoples Bank	150	@	80 00	12,000
Union Mills	. Union Bank	150	@	120 66	18,100
Wonatah	Wanatah State Bank	250	@	82 80	20,700
wanatan	Bank of Westville	100	@	139 00	13,900
w estville	Daug di Westerne	200	9	444 44	,

LAWRENCE COUNTY

	LAWRENCE COUNTY				
		No. of		Per	Total
Location	Name	Shares			Assessment
Bedford		1,000	@	\$134 50	\$134,500
200101011111111111111111111111111111111	Citizens Trust Company	500	@	149 20	74,600
	Stone City Bank	750	(a)	105 60	79,200
	Bedford National Bank	1,000	@	152 20	152,200
Mitchell	Bank of Mitchell	250	(a)	88 40	22,100
Mitchell			-		
	First National Bank	250	@	177 20	44,300
	MADISON COUNTY				
			_		
Alexandria	Alexandria Bank	115	@	\$253 91	\$29,200
	Commercial Bank & Trust Co	250	@	158 80	39,700
	Peoples Trust Company	250	@	111 20	27,800
Anderson	Anderson Banking Company	2,500	@	130 28	325,700
	Anderson Trust Company	1,000	@	185 40	185,400
	Farmers Trust Company	1,000	@	128 10	128, 100
	The Citizens Bank	1,250	@	159 60	199,500
	Madison County Trust Company	250	@	154 00	38,500
	National Exchange Bank	1,000	@	140 90	140,900
Elwood	Citizens State Bank	1,000	@	61 30	61,300
2411004	Elwood State Bank	750	@	133 33	100,000
	The Elwood Trust Company	500	@	144 60	72,300
			-		
n 1.	First National Bank	500	@	115 60	57,800
	Frankton Bank	170	@	182 35	31,000
	State Bank of Lapel	250	@	105 60	26,400
	The Markleville State Bank	250	@	142 00	35,500
Pendleton	Pendleton Banking Company	500	@	132 40	66,200
	Pendleton Trust Company	250	@	90 00	22,500
Summitville	Farmers State Bank	250	@	100 00	25,000
	Summitville Bank and Trust Co	350	@`	104 28	36,500
	MARION COUNTY				
Acton	The Acton State Bank	250	(a)	162 80	40,700
	Beech Grove State Bank	250	(a)	46 00	11,500
	Bridgeport Bank	100	(a)	68 00	6,800
	Broad Ripple State Bank	250	@	146 40	36,600
		250			
	Clermont State Bank		@	49 20	12,300
	Cumberland Bank	150	@	134 66	20,200
Indianapolis	Aetna Trust & Savings Co	2,500	@	82 04	205, 100
	Bankers Trust Company	2,500	@	101 92	254, 800
	Brightwood State Bank	250	@ .	122 00	30,500
	City Trust Company	1,016	@	115 35	117,200
	Farmers Trust Company	2,000	@	160 80	321,600
	Citizens State Bank	500	@	147 00	73,500
	The Commercial National Bank	. 3,000	@	99 30	297,900
	Continental National Bank	4,000	@	136 62	546,500
	Fidelity Trust Company	1,000	(a)	70 00	70,000
	Fletcher-American National Bank		(a)		2,612,200
	Fletcher Joint Stock Land Bank	18	@	5 15	93
	Fletcher Savings & Trust Company		@		1,231,200
	Fountain Square State Bank	500	@	152 60	76,300
	Indiana National Bank		(a)		3,464,600
	Indiana Trust Company	10,600	@		1,305,700
		,	_		
	Irvington State Bank	500	@	84 00	42,000
	Live Stock Exchange Bank.	1,000	@	296 50	296, 500
	Marion County State Bank	250	@	166 00	41,500
	Merchants National Bank		@		1,005,000
	Meyer-Kiser Bank	2,600	@	146 90	293,800
	National City Bank		@		1,320,200
	Northwestern State Bank	250	@	168 80	42,200

MARION COUNTY-Continued

		No. of	f	Per	Total
Location	Name .	Shares			Assessment
Indianapolis	Peoples State Bank	1,000	@	15 60	
-	Security Trust Company	2,000	@	139 00	,
	South Side State Bank	500	@	89 00	,
	State Bank of Massachusetts Avenue	250	@	100 00	-,
	State Savings & Trust Company	7,500	@	89 50	,
	The Union Trust Company	6,000	@		1,386,400
	The Washington Bank & Trust Co	1,000	@	251 00	
	J. F. Wild & Company's Bank	1,000	@	186 20	
Lawrence	Lawrence State Bank	250		97 60	,
	. New Augusta State Bank.	250	@	146 40	,
	. Oaklandon State Bank.	250	@		,
	. Citizens Bank.	100	@	107 60	
	Wanamaker State Bank.		@	144 00	
wanamaker	Wanamaker State Dank	250	@	100 00	25,000
	MARSHALL COUNTY				
Argos	. Citizens State Bank	250	@	\$123 20	\$30,800
	First Trust & Savings Bank	250	@	145 60	
•	First National Bank	250	@	47 20	-, -
Bourbon	. Bourbon Banking Co	300	@	111 66	,
	First State Bank	400	@	350 00	,
Bremen	. Bremen State Bank	300	@	120 00	
•	The Union State Bank	500	@	151 60	,
Culver	. State Exchange Bank	600	@	181 00	
	Farmers State Bank	250	@	125 60	
•	. The Plymouth State Bank.	750	@	190 40	,
1 lymouth	Marshall County Trust & Savings Company	400	@	17 25	
	First National Bank	650	@	193 23	
Tipposence	. Tippecanoe State Bank	250	@	97 60	, -
	Farmers State Bank.	250	@	100 80	
Tyner	. Parmers brace Dank	200	(4)	100 80	25,200
	MARTIN COUNTY				
Loogootee	. First National Bank	250	@	\$149 60	\$37,400
_	White River Bank	400	@	176 00	70,400
Shoals	. Martin County Bank	250	@	221 20	55,300
	MIAMI COUNTY				
		0.50	_	0400 40	
	State Bank of Amboy	250	@	\$102 40	\$25,600
	. Farmers State Bank	250	@	95 20	23,800
	Farmers State Bank	250	@	149 20	37,300
	. Citizens State Bank.	250	@	93 60	23,400
	. The First National Bank.	250	@	102 80	25,700
	. Citizens Bank	100	@	134 00	13,400
	. Farmers State Bank	250	@	101 20	25,300
	. Farmers State Bank.	250	@	88 80	22,200
Peru	. Citizens National Bank.	1,000	@	140 00	140,000
	First National Bank	1,000	@	216 70	216,700
	The Peru Trust Company	1,000	@	132 20	132,200
	Wabash Valley Trust Company	1,500	@	106 86	160,300
	MONROE COUNTY				
Bloomington	. The Bloomington National Bank	1,000	@	\$109 10	\$109, 100
	Citizens Loan & Trust Company	550	@	236 18	129,900
	First National Bank	1,200	@	186,58	223,900
	Monroe County State Bank.	500	@	211 60	105,800
	Showers Brothers Savings Bank.	100	@	147 00	14,700
Ellettsville	Peoples State Bank	250	@	156 00	39,000
	-				

MONTGOMERY COUNTY

		37 6		n	m . 1
Location	37	No. of		Per	Total
230CGCC075	Name	Shares	_		Assessment.
Browns Valley	.Browns Valley Bank	125	@	129 60	\$16,200
Crawfordsville	. Citizens National Bank	950	@	202 90	192,800
	Crawfordsville State Bank	1,200	@	156 08	187,300
	The Crawfordsville Trust Co	1,000	@	135 00	135,000
	The Elston National Bank	1,000	@	253 20	253,200
	Farmers Mcht. & Clements Trust Co	600	@	166 50	99,900
	First National Bank	1,000	@	313 30	313,300
Darlington	. Darlington State Bank.	250	@	153 20	38,300
Daringoon	Farmers & Merchants State Bank	250	(a)	136 00	34,000
			-		,
****	The Peoples Banking Co	179	@	135 75	24,300
	. The Bank of Kirkpatrick	100	@	87 00	8,700
	. Citizens State Bank	500	@	169 00	84,500
Linden	. Linden State Bank	300	@	149 00	44,700
Linnsburg	. Linnsburg State Bank	250	@	118 80	29,700
New Ross	.The Citizens Bank	100	@	289 00	28,900
	. Corn Exchange State Bank	400	@	113 00	45,200
	. Farmers State Bank.	250	@	282 00	70,500
	Farmers State Bank.	250	@		
			_	96 00	24,000
	. Farmers & Merchants Bank	180	@	118 88	21,400
	. State Bank of Waveland	250	@	254 40	63,600
	. Waynetown State Bank	300	@	218 66	65,600
Wingate	.The Farmers Bank	250	@	356 40	89, 100
	MORGAN COUNTY				
	. Peoples Deposit Bank	500	@	\$46 40	\$23,200
	. The Farmers State Bank	250	@	133 20	33,300
Hall	. Farmers Bank	100	@	100 00	10,000
Martinsville	. Citizens National Bank	1,000	@	142 10	142, 100
	First National Bank	1,000	@	142 30	142,300
	Martinsville Trust Company	250	@	97 60	24,400
Monrovia	. The First National Bank	300	@	132 00	39,600
	Farmers State Bank.	350	@	205 71	72,000
Wrooresville			_		
3.5	First National Bank	500	@	139 00	69,500
	. First National Bank	250	@	218 00	54,500
	. Paragon State Bank	250	@	125 60	31,400
Waverly	. Waverly Bank	100	@	81 00	8, 100
\					
	NEWTON COUNTY				
Brook,	. Bank of Brook	540	@	\$121 66	\$65,700
	First National Bank	500	@	137 20	68,600
Goodishari	State Trust and Savings Bank.	250	@	128 00	32,000
Ventland	Discount & Deposit Bank	700	@	115 28	80,700
Kennand			_		
10	Kent State Bank.	500	@	186 00	93,000
Morocco	. Citizens State Bank	260	@	161 15	41,900
	Farmers State Bank	260	@	131 00	34,300
Mount Ayr	. The State Bank of Mount Ayr	400	@	112 25	44,900
	NOBLE COUNTY				
Albion	. The Albion National Bank	250	(a)	\$140 80	\$35,200
	Farmers State Bank	350	@	169 14	59, 200
Avilla		250	@	100 40	25, 100
Cromwell	. Cromwell State Bank	250	@	154 00	38,500
	Sparta State Bank	275	@	72 00	19,800
Kendallville	. Campbell & Fetter Bank	500	@	79 60	39,800
	Kendallville Trust & Savings Bank	250	@	103 60	25,900
	The Noble County Bank	1,000	@	136 40	136,400
Kimmell	State Bank of Kimmell	250	@	74 80	18,700
	. Farmers & Merchants Bank	150	@	113 33	17,000
44 44444					

NOBLE COUNTY-Continued

Location	Name	No. of Shares	,	Per Share	Total Assessment
Ligonier	Citizens Bank	1,000	@	140 20	140,200
	Farmers & Merchants Trust Co	500	@	192 20	96, 100
	Mier State Bank	1,000	@	139 00	139,000
Wawaka	Farmers State Bank	250	@	91 60	22,900
Wolf Lake	Wolf Lake State Bank	250	@	92 80	23,200
	OHIO COUNTY				
Rising Sun	. The Farmers Trust Co	250	@	\$116 80	\$29,200
	The National Bank of Rising Sun	1,000	@	144 70	144,700
	Rising Sun State Bank	400	@	134 75	57,900
	ORANGE COUNTY				
French Lick	. French Lick State Bank.	500	110	\$165 80	\$72,90 0
	Farmers State Bank.	250	@	80 00	20,000
	Citizens State Bank	300	@	109 00	32,700
	The National Bank of Orleans	550	@	140 36	77, 200
Paoli	. The Orange County Bank	250	@	140 00	35,000
	Paoli State Bank	400	@	132 00	52,800
West Baden	. The West Baden National Bank	500	@	162 00	81,000
	OWEN COUNTY				
Gosport	. The Gosport Bank	100	@	184 00	18,400
D	Gosport Banking Company	100	@	169 00	16,900
	Patricksburg Bank	100	.@	182 00	18,200
Spencer	Exchange Bank. Spencer National Bank.	500	@	62 80	31,400
		500	@	157 60	78,800
	PARKE COUNTY				
	. Bank of Bloomingdale	100	@	\$175 00	\$17,500
	. Citizens Bank	200	@	139 00	27,800
	. Mecca Bank	100	@	150 00	15,000
Montezuma	State Bank of Montezuma. The First National Bank.	250 250	@	92 80 127 20	23,200
Rockwille	Rockville National Bank.	500	@ @	223 00	31,800 111,500
TOOK VIIIC	Parke State Bank.	750	@	153 73	115,300
Raccoon	Bridgeton Bank.	100	@	101 00	10,100
	Rosedale National Bank.	250	@	123 20	30,800
	PERRY COUNTY		Ŭ		
Cannelton	. Cannelton National Bank.	250	@	\$156 80	\$39,200
m.n.c:	First National Bank	250	@	101 20	25,300
Tell City	Citizens National Bank. Tell City National Bank.	500 500	@ @	115 20 161 60	57,600 80,800
Trov	The Troy State Bank.	250	@	80 00	20,000
1109	The Troy State Dank	200	6	50 00	20,000
	PIKE COUNTY				
	Otwell State Bank	250	@	\$234 00	\$58,500
Petersburg	Citizens State Bank	400	@	167 50	67,000
	The First National Bank.	500 250	@	194 50 86 00	97,250
Winslow	Peoples Loan & Trust Co	250	@ @	179 60	21,500 44,900
W III 510 W		200	w,	110 00	11,000
Cltt	PORTER COUNTY	0.50	0	2171 00	840,000
	Chesterton Bank	250 500	@ @	\$171 60 164 00	\$42,900 82,000
	Porter County State Bank	250	@	44 80	11,200
	First State Bank of Porter	250	@	61 60	15,400
	And Source District Of Edition	200		01 00	20, 100

PORTER COUNTY-Continued

		No. of		Per .	Tota?
Location	Name	Shares		Share A	Issessment
Valparaiso	. Citizens Savings & Trust Co	500	@	125 00	62,500
	First Trust Company	250	@	205 20	51,300
	Farmers State Bank	750	@	130 66	98,000
•	State Bank of Valparaiso	1,000	@	123 30	123,300
	Thrift Trust Company	500	@	150 20	75, 100
	Valparaiso National Bank	1,000	@	156 40	156,400
	POSEY COUNTY				
Cynthiana	. Cynthiana Banking Co	250	@	\$196 00	\$49,000
	. The First National Bank	250	(a)	228 40	57,100
	. Mt. Vernon National Bank	500	@	230 80	115,400
	Peoples Bank & Trust Co	500	(a)	256 00	128,000
	The First National Bank	1,000	@	156 80	156,800
New Harmony	New Harmony Bank & Trust Co	500	@	87 40	43,700
	. Bozeman Waters National Bank	500	@	154 80	77,400
	First National Bank	250	@	132 40	33, 100
Wadesville	. The Farmers National Bank	250	@	132 00	33,000
	PULASKI COUNTY				
Francesville	. The State Bank of Francesville.	250	@	\$160 40	\$40,100
	The First National Bank.	250	@	139 20	34,800
Medaly vine	Medaryville State Bank	250	@	126 80	31,700
Montorov	First National Bank	250	@	159 60	39,900
	First State Bank	250	@	161 20	40,300
	First National Bank	500	@	313 40	156,700
· ·	Union Bank & Trust Co.	500	@	175 20	87,600
	onion bank a Trast co	000	w	170 20	01,000
	PUTNAM COUNTY				
Bainbridge	. Farmers State Bank	300	@	\$141 66	\$42,500
Belle Union	. Farmers Bank of Belle Union	100	@	75 00	7,500
	. First National Bank	250	@	259 20	64,800
	. The Farmers Bank	100	@	171 00	17,100
Greencastle	. Central National Bank	1,000	@	195 30	195,300
	Central Trust Co	500	@	145 40	72,700
	The Citizens National Bank	500	@	158 00	79,000
	The First National Bank	750	@	116 34	87, 100
·	Citizens Trust Co	250	@	150 00	37,500
	. Roachdale Bank	450	@	175 00	78,750
Russellville	. Russellville Bank	300	@	193 00	57,900
	State Bank of Russellville	250	@	132 80	33,200
	RANDOLPH COUNTY				
	. Farmers Banking Co	100	@	\$173 00	\$17,300
Farmland	. Farmland State Bank	320	@	165 62	53,000
	First National Bank	400	@	87 75	35, 100
Losantville	. The Farmers Bank	100	@	220 00	22,000
Lynn	. Citizens Banking Co	450	@	163 55	73,600
Modoc	. The Citizens Banking Co	200	@	142 50	28,500
Parker	. The Parker Banking Co	250	@	208 40	52,100
Ridgeville	. The First National Bank	250	@	80 40	20,100
	The Ridgeville State Bank	300	@	98 33	29,500
	. Saratoga State Bank	250	@	128 80	32,200
	. Greenfork Township Bank	120	@	220 83	26,500
Union City	. Atlas State Bank	520	@	139 42	72,500
	Union Loan & Trust Co	500	@	142 60	71,300
	Commercial National Bank	500	@	105 00	52,500
Winchester		500	@	78 40	39,200
	The Farmers & Merchants Bank	500	@	173 40	86,700
	Peoples Loan & Trust Co	300	@	295 33	88,600
	Randolph_County_Bank	500	@	122 00	61,000

RIPLEY COUNTY

	No. of		Per	Total
Location Name	Shares		Share 2	1ssessment
Batesville Batesville Bank	550	@	\$198 72	\$109,300
First National Bank	300	@	114 00	34,200
Cross PlainsCross Plains State Bank	250	@	150 00	37,500
Friendship Friendship State Bank	250	@	119 60	29,900
Holton Holton State Bank	250	@	176 40	44,100
Milan The Farmers State Bank	250	@	66 80	16,700
The State Bank of Milan	350	@	200 28	70,100
Napoleon	250	@	152 00	38,000
New Marion The New Marion State Bank	250	@	42 40	10,600
Osgood	250	@	127 60	31,900
The Ripley County Bank	500	@	254 00	127,000
Sunman	250	@	156 00	39,000
The Sunman Bank	250	@	246 00	61,500
Versailles	320	@	351 25	112,400
RUSH COUNTY				
	400		AN4 NO	*** ***
Arlington	400	@	\$74 50	\$29,800
CarthageBank of Carthage	1,000	@	150 80	150,800
Falmouth Bank	100	@	201 00	20,100
Glenwood	250	@	191 60	47,900
Manilla	200	.@	233 00	46,600
Mays The First National Bank	250	@	165 20	41,300
Milroy Bank	250	@	114 00	28,500
Anderson Township First National Bank	500	@	98 60	49,300
New Salem New Salem State Bank	250	@	95 60	23,900
Rushville Farmers Trust Co	500.	@	102 20	51, 100
The Peoples National Bank	500	@	384 60	192,300
Rushvi'le National Bank	1,000	@	179 00	179,000
Rush County National Bank	1,000	@	234 70	234,700
The Peoples Loan & Trust Co	500	@	124 60	62,300
ST JOSEPH COUNTY				
Lakeville Lakeville State Bank	250	@	\$77 60	\$19,400
Mishawaka First National Bank	1,000	@	144 50	144,500
First Trust & Savings Bank	1,000	@	161 20	161,200
Mishawaka Trust & Savings Co	1,000	@	126 00	126,000
North Side Trust & Savings Bank	500	@	127 60	63,800
West End State Bank	490	@	65 91	32,300
New Carlisle Farmers State Bank	250	@	62 40	15,600
First National Bank	250	@	165 60	41,400
North Liberty North Liberty State Bank	500	@	112 80	56,400
South Bend American Trust Co	2,000	@	136 85	273,700
Chapin State Bank	500	@	163 40	81,700
Citizens National Bank	4,000	@	141 60	566 400
Citizens Trust & Savings Bank	3,000	@	126 76	380,300
Farmers Trust Company	1,127	@	106 56	120,100
The First National Bank of South Bend	6,000	@	131 61	789,700
Foder & Busezky State Bank	200	@	43 50	8,700
La Salle State Bank	2	@	250 00	500
The Merchants National Bank	1,000	@	105 20	105,200
Peoples State Bank	500	@	65 60	32,800
St. Joseph County Savings Bank				450,400
The St. Joseph Loan & Trust Co	8,000	@	127 73	1,021,900
The South Bend Bank	500	@	52 20	26, 100
Union Trust Company	2,000		No As	sessment.
Walkerton Farmers State Bank	250	@	80 40	20,100
State Bank of Walkerton	250	@	165 60	41,400
Wyatt The Farmers Bank of Wyatt	100	@	88 00	8,800

SCOTT COUNTY

		No. of		Per	Total
Location	Name	Shares		Share 1	Assessment
Austin	. Austin State Bank	250	@	\$114 40	\$28,600
Scottsburg	. Scott County State Bank	500	@	130 00	65,000
	Scottsburg State Bank	500	@	146 00	73,000
Lexington	.The Lexington Bank	150	@	165 33	24,800
	SHELBY COUNTY				
	SHILLD I COUNTY				
Fairland	. Fairland National Bank	250	@	\$108 20	\$45,700
Flat Rock	. Union State Bank	250	@	152 80	38,200
	. Farmers State Bank	250	@	115 20	28,800
Gwynneville	. Gwynneville Bank	150	@	86 66	13,000
	. The Union State Bank	250	@	152 40	38,100
Shelbyville	. Security Trust & Savings Co	1,000	@	121 40	121,400
	Farmers National Bank	1,000	@	201 80	201,800
	The First National Bank	1,000	@	146 50	146,500
	The Shelby National Bank	1,000	@	192 90	192,900
	Shelbyville Trust Co	500	@	199 80	99,900
Waldron	. Farmers State Bank	250	@	86 80	21,700
	State Bank of Waldron	250	@	140 80	35,200
1	SPENCER COUNTY				
Chrisney	. The Chrisney State Bank	250	@	\$132 40	\$33,100
	Farmers State Bank	250	@	90 40	22,600
Dale	. Dale State Bank	250	@	142 40	35,600
	Farmers & Merchants State Bank	250	@	43 20	10,800
	. Grandview Bank	250	@	96 40	24, 100
	. Lake State Bank	250	@	166 40	41,600
Rockport	The Brown Trust Co	250	@	50 40	12,600
	Farmers Bank	250	@	250 00	62,500
	The First National Bank	350	@	144 28	50,500
	Old Rockport Bank	400	@	160 50	64,200
	STARKE COUNTY				
Hamlet	. Hamlet State Bank	250	@	\$124 40	\$31,100
	. Farmers State Bank		@	272 80	68, 200
	Starke County Trust & Savings Bank	500	@	57 00	28,500
North Judson	. First State Bank	250	@	228 80	57,200
	Bank of San Pierre	110	@	120 90	13,300
North Judson	. North Judson State Bank	250	@	100 00	25,000
	STEUBEN COUNTY				
Angola	. Angola Bank Trust Co		@	\$135 00	\$81,000
	The First National Bank		@	210 00	157,500
	Steuben County State Bank		@	118 00	47,200
Fremont	First National Bank		@	152 80	38,200
TT:14	First State Bank		@	115 60	28,900
	The Hamilton Bank		@	7,250 00	14,500
	Farmers State Bank		@	113 20	28,300
	Citizens Bank		-	82 40	10,300
Dlaggant Lel-	The Citizens State Bank	250	_	172 00	43,000
Pov	First State Bank	250	@	94 40	23,600
110y	The Ray State Bank	250	@	83 20	20,800

SULLIVAN COUNTY

,		No. of	•	Per	Total
Location	Name	Shares		Share .	Assessment
Carlisle	. The First National Bank	350	@	\$113 14	\$39,600
	Peoples State Bank	500	@	192 80	96,400
Dugger	. The Dugger State Bank	250	@	148 00	37,000
Farmersburg	. First National Bank	250	@	133 20	33,300
	Citizens State Bank	250	. @	142 00	35,500
Fairbanks	. Fairbanks State Bank	250	@	148 00	37,000
Hymera	. The Hymera State Bank	250	@	240 00	60,000
Merom	. Merom State Bank	250	@	100 80	25,200
	. First National Bank	250	@	154 40	38,600
	. Citizens Trust Company	500	@	55 80	27,900
/	The National Bank	1,500	@	121 20	181,800
	The Peoples State Bank	1,000	@	153 90	153,900
	The Sullivan County Loan & Trust Company	500	@	118 80	59,400
	Sullivan State Bank	1,000	@	114 60	114,600
	Sunivan State Dana	1,000	w	114 00	114,000
	SWITZERLAND COUNTY				
East Enterprise	. The Bank of East Enterprise	120	@	\$189 16	\$22,700
	Florence Deposit Bank.	250	@	120 00	30,000
	The Patriot Deposit Bank.		@	123 60	30,900
	First National Bank	500	@	151 20	
vevay	Vevay Deposit Bank	500	-		75,600
	vevay Deposit Bank	500	.@	142 20	71,100
	TIPPECANOE COUNTY				
Battle Ground	Battle Ground State Bank	250	@	\$149 20	\$37,300
Buck Creek	Buck Creek State Bank	250	@	82 80	20,700
Clark's Hill	Farmers Bank	150	@	154 66	23,200
	State Bank of Clark's Hill.	250	@	114 40	28,600
Dayton	Bank of Dayton	100	(a)	146 00	14,600
	Farmers & Traders Bank	1,000	@	176 60	176,600
	The City National Bank	1,000	(a)	143 70	143,700
	First Merchants National Bank	3,250	@	131 10	426, 100
	First National Bank	0,200	9	101 10	10,200
	Lafayette Joint Stock Land Bank.	10	(a)	106 20	1,062
	Lafayette Loan & Trust Co.	1,967	_	134 38	264,400
	Lafayette Savings Bank	1,0017	20	194 90	291,700
	Merchants National Bank.				
		1 000	•	990 60	31,700
	National Fowler Bank	1,000	@	230 60	230,600
	Tippecanoe Loan & Trust Co	500	@	203 20	101,600
	Montmorenci State Bank	250	@	176 00	44,000
	. The Romney Bank.	250	@	100 00	25,000
	State Bank of Stockwell	250	@	154 00	38,500
	The Purdue State Bank	250	@	66 40	16,600
West Point	. West Point State Bank	250	@	40 40	10,100
	TIPTON COUNTY				
Goldsmith	Goldsmith Bank	100	@	\$80 00	\$8,000
	Farmers State Bank	250	@	115 60	28,900
	State Bank of Kempton	. 250	@	114 80	28,700
	. The Sharpsville Bank	100	@	351 00	351, 100
	Citizens National Bank	1,000	@	161 60	161,600
	Farmers Loan & Trust Co.	500	(a)	214 40	107, 200
	First National Bank	1,000	@	127 10	127, 100
Windfall	Farmers State Bank.	500	@	82 80	41,400
mandall	The Peoples State Bank.	400	@	153 50	61,400
	and a column control manner.	100	9	200 00	04, 100

UNION COUNTY

		No. o		Per	Total
Location	Name	Shares		Share	Assessment
Brownsville	. Brownsville State Bank	250	@	\$103 60	
	. Citizens Bank	250	(a)	204 00	51,000
	Union County National Bank	500	@	536 20	268, 100
West College Corner	. Farmers State Bank	500	@	265 20	132,600
	VANDERBURGH COUNTY				
Evansville	. American Trust & Savings Bank	2,000	@	\$83 45	\$166,900
	Citizens Trust & Savings Bank	1,000	@	129 30	129,300
	The Citizens National Bank	5,000	@	11 62	58, 100
	City National Bank	3,500	@	183 74	643, 100
	Farmers & Citizens Bank	250	@	142 80	35,700
	Farmers Trust Co.	1,000	@	117 70	117,700
	The Farmers Bank	750	(a)	147 73	110,800
	Mercantile Commercial Bank	2,000	@	51 40	102,800
	North Side Bank	1,000	(a)	110 20	110,200
	Old State National Bank.	5,000	@	97 72	488,600
	Peoples Savings Bank	· ·			622,300
	The West Side Bank	1,000	(a)	203 60	203,600
	The Lamasco Bank	750	@	147 73	110,800
	VERMILLION COUNTY				
Cayuga	. The First National Bank	250	@	\$146 40	\$36,600
	. The Citizens Bank	1,000	@	135 90	135, 900
Olizioza i i i i i i i i i i i i i i i i i i i	Clinton Trust Company	500	@	137 20	68,600
	The First National Bank.	300	@	187 33	56,200
	Ninth Street State Bank.	300	(a)	120 66	36,200
Dana	First National Bank	400	@	215 50	86,200
Data,	State Bank of Dana	300	@	180 33	54, 100
Newport	Citizens State Bank	250	@	156 00	39,000
Tion port	R. H. Nixon & Co.'s.	300	@	116 66	35,000
New St. Remice	Farmers State Bank.	100	@	167 00	16,700
	The Perrysville Bank	100	@	123 00	12,300
	VIGO COUNTY				
Terre Haute	. Citizens Trust Co	4,000	@	\$125 05	\$500,200
	The First National Bank	5,000	@	228 82	1, 144, 100
	Indiana State Bank	350	@	160 85	56,300
	McKeen National Bank	5,000	@	201 28	1,006,400
	Terre Haute Savings Bank				379, 100
	The Terre Haute Trust Co	5,000	@	174 26	871,300
	Twelve Points State Bank	250	@	130 40	32,600
	United States Trust Co	5,000	@	132 30	661,500
	The Terre Haute National Bank	3,000	@	161 66	485,000
West Terre Haute	State Bank of West Terre Haute	500	@	216 40	108, 200
	WABASH COUNTY .				
Lafontaine	Farmers State Bank	350	@	\$75 42	\$26,400
	The Lafontaine Bank	165	@	250 00	35,900
	Citizens State Bank	. 250	@	111 20	27,800
	Laketon State Bank	250	@	112 40	28, 100
North Manchester	Indiana State Bank	500	@	201 60	100,800
	Union Trust Co	400	@	133 75	53,500
_	The Lawrence National Bank	1,000	@	125 00	125,000.
Ream	State Exchange Bank	250	@	109 60	27,400

WABASH COUNTY-Continued

•		No. of		Per	Total
Location	Name	Shares		Share .	Assessmen,
Urbana	Bank of Urbana	100	@	68 00	6,800
	Farmers State Bank	250	@	100 40	25, 100
Wabash	. Citizens Savings & Trust Co	500	@	37 20	18,600
	Farmers & Merchants National Bank	1,500	@	173 86	260,800
	Wabash County Loan & Trust Co	1,013	@	147 87	149, 800
	Wabash National Bank	2,000	(a)	100 00	200,000
		-,	9	200 00	200,000
	WARREN COUNTY				
M1.C-13	D1 C.M1 C:11	200	_	004 50	414 000
	Bank of Marshfield	200	@	\$84 50	\$16,900
	Bank of Pence	200	@	100 00	20,000
	Bank of Pine Village	100	@	225 00	22,500
	. Citizens State Bank	250	@	121 60	30,400
West Lebanon	The Central Bank	250	@ .	112 40	28, 100
	Farmers Bank	250	@	109 20	27,300
Williamsport	Warren County Bank	500	@	124 60	62,300
	The Williamsport State Bank	600	@	117 67	70,600
			`		
	WARRICK COUNTY				
Boonville	The City National Bank	750	@	\$146 90	\$110,200
	Farmers & Merchants National Bank	750	@	150 40	112,800
	Peoples Trust & Savings Bank	600	@	152 83	91,700
Elberfeld	. Elberfeld State Bank	250	@	157 20	39,300
	. The Lynnville National Bank.	250	@	128 80	32,200
	. The Farmers Bank.	100	@	194 00	19,400
-	Tennyson National Bank	250	@	116 40	29, 100
	. Boonville Trust Company	200	_	Assessment	
Doonvine			140	лаосаашец	U.
	WACHINGTON COUNTY				
-	WASHINGTON COUNTY				
Campbellsburg		250	@	176 80	44.200
	State Bank of Campbellsburg	250 150	@	176 80 130 00	44,200 19,500
Fredericksburg	. State Bank of Campbellsburg	150	@	130 00	19,500
Fredericksburg Hardinsburg	. State Bank of Campbellsburg. Bank of Fredericksburg. Bank of Hardinsburg.	150 100	@	130 00 186 00	19,500 18,600
Fredericksburg Hardinsburg Pekin	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank	150 100 250	@ @	130 00 186 00 191 60	19,500 18,600 47,900
Fredericksburg Hardinsburg Pekin	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank	150 100 250 250	0 0 0	130 00 186 00 191 60 213 60	19,500 18,600 47,900 53,400
Fredericksburg Hardinsburg Pekin	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank Farmers State Bank	150 100 250 250 400	00000	130 00 186 00 191 60 213 60 150 00	19,500 18,600 47,900 53,400 60,000
Fredericksburg Hardinsburg Pekin	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank	150 100 250 250	0 0 0	130 00 186 00 191 60 213 60	19,500 18,600 47,900 53,400
Fredericksburg Hardinsburg Pekin	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank Farmers State Bank State Bank of Salem	150 100 250 250 400	00000	130 00 186 00 191 60 213 60 150 00	19,500 18,600 47,900 53,400 60,000
Fredericksburg	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank Farmers State Bank State Bank of Salem WAYNE COUNTY	150 100 250 250 400 1,000	00000	130 00 186 00 191 60 213 60 150 00	19,500 18,600 47,900 53,400 60,000 296,600
Fredericksburg	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank Farmers State Bank State Bank of Salem WAYNE COUNTY Farmers State Bank	150 100 250 250 400 1,000	00000	130 00 186 00 191 60 213 60 150 00	19,500 18,600 47,900 53,400 60,000
Fredericksburg	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank Farmers State Bank State Bank of Salem WAYNE COUNTY	150 100 250 250 400 1,000		130 00 186 00 191 60 213 60 150 00 296 60	19,500 18,600 47,900 53,400 60,000 296,600
Fredericksburg	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank Farmers State Bank State Bank of Salem WAYNE COUNTY Farmers State Bank	150 100 250 250 400 1,000	000000000000000000000000000000000000000	130 00 186 00 191 60 213 60 150 00 296 60	19,500 18,600 47,900 53,400 60,000 296,600
Fredericksburg Hardinsburg Pekin Salem Boston Cambridge City	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank Farmers State Bank State Bank of Salem WAYNE COUNTY Farmers State Bank First National Bank	150 100 250 250 400 1,000		130 00 186 00 191 60 213 60 150 00 296 60 \$86 80 73 40	19,500 18,600 47,900 53,400 60,000 296,600 \$21,700 36,700
Fredericksburg Hardinsburg Pekin Salem Boston Cambridge City Centerville	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank Farmers State Bank State Bank of Salem WAYNE COUNTY Farmers State Bank First National Bank Wayne Trust Company	150 100 250 250 400 1,000		130 00 186 00 191 60 213 60 150 00 296 60 \$86 80 73 40 150 50	19,500 18,600 47,900 53,400 60,000 296,600 \$21,700 36,700 60,200
Fredericksburg	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank Farmers State Bank State Bank of Salem WAYNE COUNTY Farmers State Bank First National Bank Wayne Trust Company Centerville State Bank	150 100 250 250 400 1,000 250 500 400 350		130 00 186 00 191 60 213 60 150 00 296 60 \$86 80 73 40 150 50 123 71	19,500 18,600 47,900 53,400 60,000 296,600 \$21,700 36,700 60,200 43,300
Fredericksburg. Hardinsburg. Pekin. Salem. Boston. Cambridge City. Centerville. Dublin. Greens Fork.	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank Farmers State Bank State Bank of Salem WAYNE COUNTY Farmers State Bank First National Bank Wayne Trust Company Centerville State Bank First National Bank	150 100 250 250 400 1,000 250 500 400 350 250	©@@@@	130 00 186 00 191 60 213 60 150 00 296 60 \$86 80 73 40 150 50 123 71 116 40 109 20	19,500 18,600 47,900 53,400 60,000 296,600 \$21,700 36,700 60,200 43,300 29,100 27,300
Fredericksburg. Hardinsburg. Pekin. Salem. Boston. Cambridge City. Centerville. Dublin. Greens Fork. Economy.	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank Farmers State Bank State Bank of Salem WAYNE COUNTY Farmers State Bank First National Bank Wayne Trust Company Centerville State Bank First National Bank First National Bank Northern Wayne Bank	150 100 250 250 400 1,000 250 500 400 350 250 250	000000000000000000000000000000000000000	130 00 186 00 191 60 213 60 150 00 296 60 \$86 80 73 40 150 50 123 71 116 40	19,500 18,600 47,900 53,400 60,000 296,600 \$21,700 36,700 60,200 43,300 29,100
Fredericksburg. Hardinsburg. Pekin. Salem. Boston. Cambridge City. Centerville. Dublin. Greens Fork. Economy. Fountain City.	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank Farmers State Bank State Bank of Salem WAYNE COUNTY Farmers State Bank First National Bank Wayne Trust Company Centerville State Bank First National Bank	150 100 250 250 400 1,000 250 500 400 350 250 250 100	000000000000000000000000000000000000000	130 00 186 00 191 60 213 60 296 60 296 60 \$86 80 73 40 150 50 123 71 116 40 109 20 214 00	19,500 18,600 47,900 53,400 60,000 296,600 \$21,700 36,700 60,200 43,300 29,100 27,300 21,400
Fredericksburg. Hardinsburg. Pekin. Salem. Boston. Cambridge City. Centerville. Dublin. Greens Fork. Economy. Fountain City.	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank Farmers State Bank State Bank of Salem WAYNE COUNTY Farmers State Bank First National Bank Wayne Trust Company Centerville State Bank First National Bank Northern Wayne Bank Fountain Bank	150 100 250 250 400 1,000 250 500 400 350 250 250 100	000000000000000000000000000000000000000	130 00 186 00 191 60 213 60 150 00 296 60 \$86 80 73 40 150 50 123 71 116 40 109 20 214 00 214 00	19,500 18,600 47,900 53,400 60,000 296,600 \$21,700 36,700 60,200 43,300 29,100 27,300 21,400 21,400
Fredericksburg. Hardinsburg. Pekin. Salem. Boston. Cambridge City. Centerville. Dublin. Greens Fork. Economy. Fountain City. Hagerstown.	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank Farmers State Bank State Bank of Salem WAYNE COUNTY Farmers State Bank First National Bank Wayne Trust Company Centerville State Bank First National Bank Fountain Bank Frountain Bank Frountain Bank First National Bank of Hagerstown Union Trust Company	150 100 250 250 400 1,000 250 500 400 350 250 100 100 500 250	000000000000000000000000000000000000000	130 00 186 00 191 60 213 60 150 00 296 60 \$86 80 73 40 150 50 123 71 116 40 109 20 214 00 214 00 181 80 182 40	19,500 18,600 47,900 53,400 60,000 296,600 \$21,700 36,700 60,200 43,300 29,100 27,300 21,400 90,900 45,600
Fredericksburg. Hardinsburg. Pekin. Salem. Boston. Cambridge City. Centerville. Dublin. Greens Fork. Economy. Fountain City. Hagerstown. Milton.	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank Farmers State Bank State Bank of Salem WAYNE COUNTY Farmers State Bank First National Bank Wayne Trust Company Centerville State Bank First National Bank First National Bank Northern Wayne Bank Fountain Bank Frontain Bank Fountain Bank of Hagerstown Union Trust Company Washington Township Bank	150 100 250 250 400 1,000 250 500 400 350 250 250 100 500 500	000000000000000000000000000000000000000	130 00 186 00 191 60 213 60 150 00 296 60 \$86 80 73 40 150 50 123 71 116 40 109 20 214 00 214 00 181 80 182 40 100 00	\$21,700 47,900 53,400 60,000 296,600 \$21,700 36,700 60,200 43,300 29,100 27,300 21,400 90,900 45,600 10,000
Fredericksburg. Hardinsburg. Pekin. Salem. Boston. Cambridge City. Centerville. Dublin. Greens Fork. Economy. Fountain City. Hagerstown. Milton. Pershing.	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank Farmers State Bank State Bank of Salem WAYNE COUNTY Farmers State Bank First National Bank Wayne Trust Company Centerville State Bank First National Bank First National Bank First National Bank Northern Wayne Bank Fountain Bank Frountain Bank Fountain Bank Fountain Bank First National Bank The Jackson Township Bank The Jackson Township Bank	150 100 250 250 400 1,000 250 400 350 250 100 100 500 250 100	000000000000000000000000000000000000000	130 00 186 00 191 60 213 60 150 00 296 60 \$86 80 73 40 150 50 123 71 116 40 109 20 214 00 181 80 182 40 100 00 135 00	\$21,700 43,300 296,600 \$21,700 36,700 60,200 43,300 27,300 21,400 90,900 45,600 10,000 13,500
Fredericksburg. Hardinsburg. Pekin. Salem. Boston. Cambridge City. Centerville. Dublin. Greens Fork. Economy. Fountain City. Hagerstown. Milton. Pershing.	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank Farmers State Bank State Bank of Salem WAYNE COUNTY Farmers State Bank First National Bank Wayne Trust Company Centerville State Bank First National Bank First National Bank Northern Wayne Bank Fountain Bank First National Bank Northern Wayne Bank Fountain Bank First National Bank Thy Salem Washington Township Bank The Jackson Township Bank American Trust & Savings Bank	150 100 250 250 400 1,000 250 400 350 250 250 100 100 500 250 100	000000000000000000000000000000000000000	130 00 186 00 191 60 213 60 296 60 \$86 80 73 40 150 50 123 71 116 40 109 20 214 00 214 00 181 80 182 40 100 00 86 70	\$21,700 \$3,600 \$47,900 53,400 60,000 296,600 \$21,700 36,700 60,200 43,300 27,300 21,400 21,400 90,900 45,600 10,000 13,500 86,700
Fredericksburg. Hardinsburg. Pekin. Salem. Boston. Cambridge City. Centerville. Dublin. Greens Fork. Economy. Fountain City. Hagerstown. Milton. Pershing.	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank Farmers State Bank State Bank of Salem WAYNE COUNTY Farmers State Bank First National Bank Wayne Trust Company Centerville State Bank First National Bank Tountain Bank Fountain Bank Fountain Bank Tountain Company Washington Township Bank The Jackson Township Bank The Jackson Township Bank American Trust & Savings Bank Dickinson Trust Co.	150 100 250 250 400 1,000 250 500 250 100 100 250 100 1,000 2,000	000000000000000000000000000000000000000	130 00 186 00 191 60 213 60 150 00 296 60 \$86 80 73 40 150 50 123 71 116 40 109 20 214 00 214 00 214 00 181 80 182 40 100 00 135 00 86 70 168 60	\$21,700 36,700 \$21,700 36,700 296,600 \$21,700 36,700 60,200 43,300 29,100 27,300 21,400 90,900 45,600 10,000 10,500 86,700 337,200
Fredericksburg. Hardinsburg. Pekin. Salem. Boston. Cambridge City. Centerville. Dublin. Greens Fork. Economy. Fountain City. Hagerstown. Milton. Pershing.	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank Farmers State Bank State Bank of Salem WAYNE COUNTY Farmers State Bank First National Bank Wayne Trust Company Centerville State Bank First National Bank Northern Wayne Bank First National Bank Toutain Bank Fountain Bank First National Bank of Hagerstown Union Trust Company Washington Township Bank The Jackson Township Bank American Trust & Savings Bank Dickinson Trust Co. The First National Bank	150 100 250 250 400 1,000 250 500 400 350 250 100 100 1,000 1,000 1,000	000000000000000000000000000000000000000	130 00 186 00 191 60 213 60 213 60 296 60 \$86 80 73 40 150 50 123 71 116 40 109 20 214 00 214 00 181 80 182 40 100 00 135 00 86 70 168 60 127 53	19,500 18,600 47,900 53,400 60,000 296,600 \$21,700 60,200 43,300 29,100 27,300 21,400 90,900 45,600 10,000 13,500 86,700 337,200 191,300
Fredericksburg. Hardinsburg. Pekin. Salem. Boston. Cambridge City. Centerville. Dublin. Greens Fork. Economy. Fountain City. Hagerstown. Milton. Pershing.	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank Farmers State Bank State Bank of Salem WAYNE COUNTY Farmers State Bank First National Bank Wayne Trust Company Centerville State Bank First National Bank Northern Wayne Bank First National Bank Northern Wayne Bank Fountain Bank First National Bank Fountain Bank First National Bank Fountain Bank Thust Company Washington Township Bank The Jackson Township Bank American Trust & Savings Bank Dickinson Trust Co. The First National Bank The Second National Bank The Second National Bank The Second National Bank	150 100 250 250 400 1,000 250 500 400 350 250 250 100 100 500 100 1,000 2,000 1,500 3,000	000000000000000000000000000000000000000	130 00 186 00 191 60 213 60 250 00 296 60 \$86 80 73 40 150 50 123 71 116 40 109 20 214 00 214 00 181 80 182 40 100 00 135 00 86 70 168 67 127 53 215 13	\$21,700 36,700 296,600 \$21,700 36,700 60,200 29,100 27,300 21,400 21,400 90,900 45,600 10,000 13,500 86,700 60,200 10,000 13,500 86,700 60,200 10,000 13,500 86,700 60,200 10,000 13,500 86,700 60,700 60,200 10,000 10,
Fredericksburg. Hardinsburg. Pekin. Salem. Boston. Cambridge City. Centerville. Dublin. Greens Fork. Economy. Fountain City. Hagerstown. Milton. Pershing. Richmond.	State Bank of Campbellsburg Bank of Fredericksburg Bank of Hardinsburg The Citizens Bank Citizens State Bank Farmers State Bank State Bank of Salem WAYNE COUNTY Farmers State Bank First National Bank Wayne Trust Company Centerville State Bank First National Bank Northern Wayne Bank First National Bank Toutain Bank Fountain Bank First National Bank of Hagerstown Union Trust Company Washington Township Bank The Jackson Township Bank American Trust & Savings Bank Dickinson Trust Co. The First National Bank	150 100 250 250 400 1,000 250 500 400 350 250 100 100 1,000 1,000 1,000	000000000000000000000000000000000000000	130 00 186 00 191 60 213 60 213 60 296 60 \$86 80 73 40 150 50 123 71 116 40 109 20 214 00 214 00 181 80 182 40 100 00 135 00 86 70 168 60 127 53	19,500 18,600 47,900 53,400 60,000 296,600 \$21,700 60,200 43,300 29,100 27,300 21,400 90,900 45,600 10,000 13,500 86,700 337,200 191,300

WELLS COUNTY

		No. of		Per	Total
Location	Name	Shares		Share	Assessment
Bluffton	The Studebaker Bank	2,000	@	\$113 85	\$227,700
	Union Savings & Trust Co	250	@	138 00	34,500
	The Wells County Bank	1,000	@	147 10	147, 100
Craigsville	Farmers State Bank	250	@	99 20	24,800
	State Farmers Bank	250	@	97 20	24,300
	Liberty Center Deposit Bank	250	@	126 80	31,700
	Farmers State Bank	250	@	140 80	35,200
	Bank of Petro eum	135	@	294 07	39,700
Poneto	Bank of Poneto	150	@	80 66	12, 100
	Farmers State Bank	250	@	119 20	29,800
	Bank of Tocsin	100	@	163 00	16,300
Uniondale	State Bank of Uniondale	250	@	170 80	42,700
	WHITE COUNTY				
Brookston	Bank of Brookston	350	@	\$178 00	\$62,300
	The Farmers Bank	250	@	151 60	37,900
Burnettville	State Bank of Burnettville	300	@	105 66	31,700
Chalmers	Bank of Chalmers	250	@	202 80	50,700
	State Bank of Chalmers	500	@	82 20	41, 100
Idaville	State Bank of Idaville	250	@	135 60	33,900
Monon	Farmers & Traders State Bank	500	@	77 40	38,700
	State Bank of Monon	250	@	114 40	28,600
Monticello	Farmers State Bank	250	@	97 60	24,400
	Monticello National Bank	500	@	187 00	93,500
	The State Bank of Monticello	500	@	178 20	89, 100
	White County Loan, Trust & Savings Co	500	@	116 80	58,400
Reynolds	Bank of Reynolds	250	@	134 40	33,600
Wolcott	Citizens State Bank	250	@	156 40	39,100
	State Bank of Wolcott	500	@	197 40	98,700
Monon	The Monon Bank (Dissolved)				
	WHITLEY COUNTY				
Churubusco	The Exchange Bank	500	@	\$103 60	\$51,800
	The Farmers State Bank	250	@	96 80	24,200
Columbia City		500	@	175 40	87,700
	The First National Bank	1,000	@	135 50	135,500
	The Provident Trust Co	600	@	118 16	70,900
Larwill		100	@	155 00	15,500
South Whitley	Farmers State Bank	250	@	150 40	37,600
	Gandy State Bank	250	@	165 20	41,300

PUBLIC UTILITY COMPANIES.

Final Assessment of the Property Within the State of Indiana (Excepting Real Estate and Improvements Thereon, Which Are Assessed Locally) of Public Utility Companies for the Year 1921 as fixed by the State Board of Tax Commissioners.

Name of Company To	tal Assessment
The Akron Light, Heat & Power Co	. \$18,053 00
Albany Water & Light Co	
Allen Co. Elec. Light & Power Co	
Amo Light, Heat & Power Co	
Arlington Natural Gas Co	
Batesville Water Works Co	
Batesville Elec. Light & Power Co	45,000 00
Battle Ground Light & Power Co	6,976 00
Beaver Meadow Natural Gas Co	1,000 00
Belt Elevator & Feed Co	. 12,680 00
The Bement Gas Co	/
Berne Electric Light Co	
Big Four Fuel & Light Co	
Blue River Natural Gas Co	
Boonville Elec. Light & Power Co	•
Brazil Gas Co.	
Brookville Electric Co	. 29,243 00
Browne-Mills Electric Co	
Brownstown Water & Light Co	64,476 00
Brussels Gas Co	
Bryant Electric Co	6,000 00
The Butler Utilities Co	42,198 00
C. F. Cain Power & Light Co	
Calumet Electric Co	
Cambridge Natural Gas Co	
Carthage Electric Light Co	
Cayuga Electric Co	
The Central Fuel Co	
Central Indiana Gas Co	
Central Heating Co	
Central States Gas Co	
Charlottesville Electric Heat & Power Co	
Churubusco Water & Light Co	
Citizens Electric Co	
Citizens Gas Co. of Milroy	
Citizens Gas Co. of Indianapolis	
Citizens Gas Co., Lessee Indianapolis Gas Co	
Citizens Gas & Fuel Co	
Citizens Gas & Oil Co	
Citizens Gas Supply Co	
Citizens Heat, Light & Power Co	
Citizens Mutual Heating Co	. 110,700 00

Name of Company	Total Assessment
Citizens Natural Gas & Oil Co	
Citizens Natural Gas, Oil & Water Co. of Shelbyville.	
Citizens Natural Gas, Oil & Water Co. of Waldron	
Clarksburg Gas Co	
Claypool Electric Light Co	
Columbus Gas Light Co	
Consumers Gas, Oil & Water Co	3,825 00
Continental Utilities Co	
Corydon Milling Co	
Crawfordsville Heating Co	
Crothersville Water & Electric Co	
Darlington Water Works Co	
Delaware Trucking Co	50,000 00
Dome Gas Co	
East Chicago & Indiana Harbor Water Co	
Electric Light Co. of Ft. Branch	
Electric Service Co	
Elkhart Gas & Fuel Co	
Elkhart Water Co	· ·
Elwood Water Co	
English Milling Co	1,500 00
English Water Works Co	6,000 00
Farmers Elevator & Grain Co	
Farmers Light & Power Co	•
Farmers Mutual Electric Light & Power Co	
Farmers Natural Gas & Oil Co	
Water Works Co. of Ferdinand	•
Fillmore Light & Power System	
Flora Water Co	
Fortville Natural Gas & Oil Co	
Fort Wayne Storage Co	
Fountaintown Natural Gas Co	
Frankfort Heating Co	,
Frankfort Water Works Co	
The Freeport Gas Co	
French Lick & West Baden Light, Heat & Power Co.	
Galveston Water Co	
Gary Heat, Light & Water Co	
Georgetown Electric Light & Power Co	
Goshen Gas Co	
Gosport Electric Co	
Greencastle Gas & Electric Light Co	53,164 00
Greencastle Water Works Co	161,896 00
Greensburg Gas & Electric Co	58,492 00
The Greensburg Natural Gas, Oil & Water Co	
The Greensburg Water Co	
Mrs. Sarah Grubb	1,000 00
Hagerstown Natural Gas Co	4,000 00
Hanna Light & Power Co	10,000 00
·	

	al Assessment
Harrison Elec. & Water Co	2,000 00
The Hawks Electric Co	582,283 00
Haynes Milling Co	51,946 00
Henryville Electric Light & Heat Co	2,360 00
Hillsboro Electric Light Co	5,200 00
Holt Ice & Cold Storage Co	160,000 00
Home Electric Light Co	1,940 00
Home Light & Power Co	8,406 00
Home Water Co	10,000 00
Homer Gas Co	1,500 00
Howe Oil & Gas Co	25,000 00
The Huntington Light & Fuel Co	619,480 00
The Hydro Electric Light & Power Co	404,668 00
Indiana & Michigan Electric Co	4,996,340 00
Indiana Fuel & Light Co	414,471 00
Indiana General Service Co	4,999,981 00
Indiana Power Co	1,992,587 00
Indiana Railways & Light Co	1,600,000 00
Indiana Refrigerating Co	60,000 00
Indiana Service Co	2,156,077 00
Indiana Utilities Co	145,500 00
Indianapolis Light & Heat Co	6,447,020 00
Indianapolis Warehouse Co	10,400 00
Indianapolis Water Co	9,545,188 00
I. & C. Light & Power Co	40,000 00
Interstate Public Service Co	4,400,317 00
Jackson Co. Transmission Co	18,000 00
Jeffersonville Water, Light & Power Co	200,000 00
Jonesboro Water Co	26,940 00
K. D. E. S. Gas Co	1,400 00
Knightstown Natural Gas Co	7,500 00
Knox Elec. Light & Power Co	16,814 00
Kokomo Gas & Fuel Co	750,000 00
Kokomo Water Co	721,534 00
LaGrange Light & Power Co	70,146 00
LaPorte Gas & Electric Co	652,140 00
Larwill Light & Power Co	9,710 00
Lawrenceburg Water Co	5,930 00
Leavenworth Elec. Light Co	1,900 00
Leavenworth Water Co	2,700 00
The Leesburg Light & Water Co	5,000 00
Letts Gas & Oil Co	6,000 00
Liberty Gas Light & Fuel Co	5,000 00
The Liberty Light & Power Co	100,000 00
Linn Creek Natural Gas Co	500 00
The Logan Natural Gas Co	1,800 00
Logansport Utilities Co	55,798 00
Loogootee Water Co	21,000 00
Lynn Grove Light & Power Co	55,000 00

N	. t7 A
Name of Company To	otal Assessment
· ·	
Macy Electric Light Co	
Madison Light & Fuel Co	
Madison Light & Railway Co	
Marengo Light & Water Co	
Markleville Citizens Gas & Oil Co	·
Martinsville Gas & Electric Co	
Mentone Electric Light Co	
Merchants Heat & Light Co	. 6,507,300 00
Mexico Electric Co	
Middlebury Electric Co	
Middletown Gas Co	
Midway Electric Co	
Milroy Light & Power Co	. 9,160 00
Mitchell Packing Co	. 11,800 00
The Modoc Natural Gas & Oil Co	
Monarch Gas Co	. 30,000 00
Montgomery Light & Power Co	
Montpelier Utilities Co	
Moran Electric Light & Power Co	
R. P. Moore Milling Co	
Mooresville Public Service Co.	
Morgan Co. Light & Power Co	
Mt. Vernon Electric Light & Power Co	
Mt. Vernon Water Works Co	
Muddy Fork Gas Co.	
Mulberry Light & Power Co	
Muncie Water Works Co.	
Nappanee Utilities Co.	,
Natural Ice & Cold Storage Co	·
New Albany Ice & Cold Storage Co	
Newburgh Light & Water Co	
New Citizens Natural Gas Co	
New Lisbon Gas Co	
New Point Oil & Mineral Co	
Newtown Electric Light Co	
Newtown Water Co	
Noblesville Heat, Light & Power Co	
Noblesville Water & Light Co	
No. Judson Electric Co	
No. Webster Light & Water Co	
Northern Ind. Gas & Electric Co	
Oakland City Electric Light & Power Co	. 35,500 00
Oaktown Gas Co	
Oakville Gas Co.	. 2,000 00
Oldenburg Electric Light & Power Co	. 2,825 00
Oolitic Light & Power Co	. 4,600 00
Orange Co. Public Service Co., Jesse B. Martin, Treas	
Otterbein Light & Power Co	. 19,710 00

71	7
Name of Company Palmyra Light & Power Co	al Assessment
	1,500 00
Pendleton Natural Gas Co	12,280 00
People's Natural Gas Co. of Rushville	3,000 00
Peoples Service Co	54,956 00
Peru Gas Co.	54,500 00
Peru Heating Co.	191,020 00
Pierceton Light & Water Co	45,454 00 40,000 00
Pleasant Mills Light & Power Co	4,000 00
Plymouth Elec. Light & Power Co	248,360 00
Poplar Grove Light & Power Co	13,000 00
Poseyville Light & Power Co	•
Preble Light & Power Co	8,220 00
	5,150 00
Princeton Light & Power Co	155,231 00
Princeton Utilities Co	62,000 00
Princeton Water & Lighting Co	201,500 00
Pulse & Porter	13,364 00
Putnam Electric Co	121,840 00
	760,000 00
Richmond Light, Heat & Power Co	401,916 00
Rising Sun Water & Light Co	35,000 00
Roann Light & Power Co	9,258 00
Roachdale Electric Co	79,500 00
Rochester Gas & Fuel Co	60,000 00
Rockport Water Works Co	65,225 00
Royal Electric Light Co. Ltd	7,500 00
Rushville Natural Gas Co	61,950 00
St. Paul Natural Gas Co	10,000 00
St. Joseph Heating Co	113,646 00
Salamonia Light & Power Co	20,000 00
Sand Creek Gas & Oil Co	26,350 00
Sandusky Farmers Elevator Co	5,780 00
Sardinia Gas Co	1,000 00
Selma Gas Co.	1,950 00
Seymour Water Co	153,458 00
Sheridan Gas, Oil & Coal Co	32,147 00
Sheridan Water, Light & Heat Co	85,000 00
Sherman White & Co	96,050 00
Silver Lake Light Plant	5,640 00
Southern Indiana Gas & Electric Co	4,245,934 00
Southern Indiana Power Co	555,359 00
The Spencer Light, Power, Heat & Water Co	66,077 00
Star Milling & Electric Co	8,000 00
Sullivan County Water Co	134,316 00
Summitville Electric Light & Power Co	8,000 00
Summitville Water Co	10,000.00
Sunman Elec. Light & Power Co	9,400 00
Sycamore Oil & Gas Co	100 00
The Terre Haute Water Works Co	1,205,186 00

Name of Company Tota	l Assessment
Topeka Water Co	6,675 00
Traction Light & Power Co	145,000 00
Union City Electric Co	71,940 00
Union Heat, Light & Power Co	226,845 00
United Public Service Co	291,781 00
Upland Water Co	8,540 00
Valparaiso Home Water Co	15,000 00
Valparaiso Lighting Co	260,000 00
Vernon Natural Gas & Oil Co	13,542 00
Vincennes Water Supply Co	375,475 00
Wabash Valley Electric Co	799,500 00
Wabash Water & Light Co	553,000 00
The Warner Warehouse Co	800 00
Warsaw Gas Co	99,030 00
Washington Water, Light & Power	285,400 00
The West Lafayette Water Works Co	102,000 00
West Lebanon Electric Light, Heat & Power Co	11,000 00
Westport Natural Gas Co	12,000 00
Wheatfield Elec. Light Plant	5,000 00
Whitestown Light & Power System	4,500 00
Wild-Cat Utilities Co	17,942 00
The Winona Electric Light & Water Co	215,000 00
Woodburn Equity Exchange	25,000 00
Ziliak & Schafer Milling Co	2,000 00
Zionsville Water Elec. Light Co	14,000 00

YEAR BOOK

BUILDING AND LOAN ASSOCIATIONS

Final Assessment of the Property Within the State of Indiana (Exclusive of Real Estate) of Building and Loan Associations for the Year 1921, as Fixed by the State Board of Tax Commissioners.

Location	Name	Assessment
	Adams County	
Decatur	German Building, Loan Fund and Savings Association	\$1,520 00
•	Allen County	
Fort Wayne	Home Loan and Savings Association	7,274 10 165 73
	Bartholomew County	
Columbus	The Bartholomew Building and Loan Association. Citizens Building and Loan Association. Hope Building, Savings and Loan Association.	2,580 00 2,300 00 2,900 00
	Benton County	,
Otterbein	Otterbein Building and Loan Association	791 42 2,594 75
	Blackford County	
Hartford City	Rural Loan and Savings Association	No assessment
	Boone County	
ThorntownLebanonZionsville	Thorntown Savings and Loan Association Rural Credit, Loan and Savings Association. First Rural Loan and Savings Association. Zionsville Building and Loan Association.	$\begin{array}{c} 140\ 00 \\ 2,720\ 00 \\ 15,780\ 41 \\ 1,235\ 00 \end{array}$
	Carroll County	
Delphi	The People's Building and Loan Association	1,884 81
	Clark County	
Jeffersonville	Mutual Savings and Loan Association, No. 4	239 82
	Clay County	
Brazil	Citizens Building and Loan Association. Clay County Building and Loan Association. The Reliable Building and Loan Association.	20,760 00 5,370 00 810 00
	Clinton County	
ColfaxFrankfort	The Home Building and Loan Association. Citizens Building and Loan Association. Clover Leaf Building and Loan Association.	626 00 8,166 00 398 54
	Daviess County	
Montgomery Washington	Montgomery Farmers and Building Loan Association The Industrial Savings and Loan Association. Union Savings and Loan Association Home Building and Loan Association.	562 74 7,271 08 22,341 00 13,436 00
	Dearborn County	
Aurora	The People's Building and Loan Association. Union Building, Loan Fund and Savings Association. The Moores Hill Building and Loan Association Perpetual Building Association. Dearborn County Loan and Building Association. Progressive Building and Loan Association.	23,230 00 800 00 40 00 8,600 00 14,900 00 1,300 00
	Decatur County	• .
Greensburg St. Paul	The Greensburg Building and Loan Association. Workingmen's Building and Loan Association. St. Paul Building Association.	8,940 00 525 00 810 00

Location	Name	Assessment
	Dekalb County	
Garrett	Dekalb County Building and Loan Association. Auburn Building and Loan Association.	2,027 80 966 57
	Delaware County	
Muncie	The People's Home and Savings Association The Mutual Home and Savings Association First Rural Loan and Savings Company The Muncie Savings and Loan Company	20,590 00 33,965 09 200 00 34,000 00
	Dubois County	
Huntingburg Jasper	Citizens Building and Loan Association. Huntingburg Perpetual Building and Loan Association. Jasper Building and Loan Association. Phoenix Loan Association.	404 37 522 14 1,390 00 980 00
	Elkhart County	
Nappanee	Citizens Building, Loan and Savings Association	No assessment
	Fayette County	
Connersville	Home Loan Association. Connersville Building and Loan Association Fayette Savings and Loan Association.	10,000 00 1,887 69 13,307 00
	· Floyd County	
New Albany	Union Savings Association.	2,393 00
	Fountain County	,
Veedersburg	Veedersburg Building and Loan Association. Hub Savings and Loan Association. People's Building and Loan Association. Hillsboro Building and Loan Association. Covington Building and Loan Association. Newtown Building and Loan Association. The Attica Building and Loan Association.	3,697 24 1,939 07 560 63 78 00 590 00 144 00 24,906 08
	Franklin County	
BrookvilleOldenburg	The Citizens Building, Loan and Savings Association, Division No. 2	$2,320\ 00$ $2,517\ 35$
	Gibson County	
Fort Branch	Fort Branch Building and Loan Association, No. 8. Fort Branch Building and Loan Association, No. 9. The People's State Building and Loan Association Home Economy Building and Loan Association Citizens Building and Loan Association Building and Loan Association Hazelton Building and Loan Association Francisco Building and Loan Association Community Savings and Loan Association Community Savings and Loan Association People's Building, Loan and Savings Association The Gibson County Perpetual Building and Loan Association Owensville Building and Loan Association	170 00 744 95 1,580 95 1,962 40 214 21 723 22 1,806 00 No assessment 966 66 1,111 03 194 00
O HORSYMO	Mutual Building, Loan and Savings Association	1,643 02
	Grant County	
Marion	Marion Building and Loan Association	4,540 00
	Greene County	
Jasonville	Jasonville Building, Savings and Loan Association Home Loan and Savings Aszociation The Farmers and Mechanics Mutual Building, Loan and Savings Assn. Southern Indiana Mutual Building, Savings and Loan Associations. Bloomfield Building, Savings and Loan Association. The Green County Building, Savings and Loan Association.	1,430 00 4,572 49 8,803 39 38,751 91 2,349 90 2,331 24

· YEAR BOOK

Location	Name	Assessment
	Hamilton County	
Noblesville	Indiana Loan Association	2,640 00
	Hancock County	
Greenfield	The Greenfield Building and Loan Association	. 1,160 00
	Harrison County	
Corydon	Savings and Loan Association	3,270 00
	Hendricks County	.,
Danville	Citizens Building Loan Fund and Savings Association. Danville Building and Loan Association.	2,510 00 190 00
Plainfield	Plainfield Building and Loan Association	4,220 00
	Henry County	
Newcastle	Henry County Building and Loan Association The American Savings and Loan Association	34,980 00 17 00
	Howard County	
Kokomo	The Kokomo Building and Loan Association	190 00
	Huntington County	
Andrews	Andrews Perpetual Building and Loan Association. College Park Building and Loan Association. Home Savings and Loan Association.	490 00 78 00 7,880 00
	Jackson Cointy	
MedoraSeymour	Medora Building, Loan and Savings Association. Co-operative Building and Loan Association. Home Building Association. New Building and Loan Association. Crothersville Savings and Loan Association. Union Building and Loan Association.	231 40 820 00 620 00 6,200 00 300 00 - 860 00
	Jasper County	
Rensselaer	Rensselaer Building, Loan and Savings Association	1,422 32
	Jefferson County	
Madison	The Home Building Association, No. 5 Madison Building and Aid Association, No. 9. Mite Building and Loan Association, No. 1. Citizens Building Association, No. 3. German Building and Aid Association, No. 6.	3,045 81
	Jennings County	
North Vernon	Citizens Building and Loan Association, No. 7	2,990 00 180 00 1,140 00
V C. HOH ,	Johnson County	1,110 00
Greenwood	· ·	203 10
Franklin	Citizens Savings and Loan Association. Greenwood Building and Loan Association. Mutual Building and Loan Association.	8,625 00 3,145 00
Whiteland Edinburg	Franklin Building and Loan Association Home Building and Loan Association Blue River Building and Loan Association Bargersville Building and Loan Association	3,670 00 185 00 3,700 00 380 00
	Knox County	
Vincennes	Home Building and Loan Association. Knox Building, Loan Fund and Savings Association. North Side Building and Loan Association. The People's Savings, Loan and Building Association. Vincennes Savings and Loan Association.	23,970 00 3,510 00 7,080 00 50,350 00 38,490 00

Location	Name ·	Assessment	
	Knox County—Continued		
Bicknell	Citizens Building and Loan Association. American Building and Loan Association. Bicknell Building and Loan Association.	1,440 00	
	Kosciusko County		
Warsaw	Warsaw Building, Loan and Savings Association	4,560 00	
	Lake County		
Gary	Albert Wachowsky Savings and Loan Association Federal Savings Loan Association American-Russian National Building and Loan Association Mutual Building and Loan Association Slovak Building and Loan Association	2,490 00 No assessment 510 00 1,960 00 539 67	
	Mid-City Building and Loan Association.	No assessment	
East Chicago	American Savings and Loan Association Home Building and Loan Association. Sobieski Building and Loan Association. American Building and Loan and Savings Association. Harbor Building and Loan Association. Twin City Savings and Loan Association.	153 00 2,077 36 520 00 2,080 00 9,452 00	
Hammond	First Polish National Building and Loan Association Pulaski Building and Savings Association. Mutual Savings and Loan Association. Hammond Building, Loan and Savings Association. Home Building Loan and Savings Association. First Polish Building, Loan and Savings Association. Calumet Building and Loan Association. Peoples Building Loan and Savings Association.	4,705 50 2,710 00 17,780 00 81,903 22 3,533 74 3,700 00 14,256 48	
Whiting Indiana Harbor	Whiting Savings and Loan Association International Savings and Loan Association National Savings and Loan Association	No assessment 8,944 00 208 02 880 00	
Crown Point	State Building and Loan Association Crown Point Building, Loan and Savings Association.	3,780 00 2,153 49	
	Laporte County		
Michigan City	Michigan City Loan and Building Association Home Building and Loan Association Cttizens Building, Loan and Savings Association Merchants Building and Loan Association. Mutual Loan and Savings Company.	8,650 00 6,225 00 70 00 235 00 1,385 00	
	Lawrence County		
Bedford Mitchell	New Home Savings and Loan Association. The Mitchell Building, Savings and Loan Association.	$\begin{array}{c} 850 \ 24 \\ 3,292 \ 45 \end{array}$	
	Madison County		
Elwood Alexandria Anderson Pendleton Frankton	Elwood Rural Savings and Loan Association. Alexandria Building and Loan Association. Anderson Loan Association. Pendleton Loan Association Frankton Building and Loan Association.	1,101 13 811 44 114,291 23 3,385 01 2,370 54	
	Marion County		
Indianapolis	Advance Savings and Loan Association Aetna Savings and Loan Association Anchor Savings and Loan Association Ashland Savings and Loan Association Atkins Savings and Loan Association Celtic Savings and Loan Association Colonial Savings and Loan Association Colonial Savings and Loan Association Co-operative Savings and Loan Association Dime Savings and Loan Association Dime Savings and Loan Association Downey Street Savings and Loan Association, No. 11 Downey Street Savings and Loan Association, No. 12	3,700 00 1,260 00 460 00 820 00 11,710 00 41,006 45 8,500 00 1,060 00 3,550 00 1,365 00 925 00 160 00	

YEAR BOOK

Location	Name	Assessment
	Marion County—Continued	
Indianapolis		1,720 00
	Fletcher Avenue Savings and Loan Association	1,565 00 6,000 00
	Garfield Park Building and Loan Association. Home Builders Savings and Loan Association.	510 00
	The Home Building and Loan Association	8 125 00
	Hoosier Savings and Loan Association	4,620 00 970 00
	Ideal Society for Savings Association . The Indiana Savings and Investment Company .	41,800 00
	Indiana Savings and Loan Association, No. 6	No assessment
	The Indiana Society for Savings. Indianola Building and Loan Association. Indianapolis Southern Savings and Loan Association. Irvington Savings and Loan Association.	1,970 00 7,200 00
	Indianapolis Southern Savings and Loan Association.	300 00 400 00
	Keystone Savings and Loan Association. Keystone Savings and Loan Association.	400 00 370 00
	Lincoln Highway Savings and Loan Association	200 00
	Madison Avenue Savings and Loan Association, No. 12 Madison Avenue Savings and Loan Association, No. 13	490 00
	Market Savings and Loan Association, No. 13 Market Savings and Loan Association.	No assessment 1,095 00
	Merit Sayings and Loan Association	3,210 00 2,085 00
	Monument Savings and Loan Association. New Progress Building Association. The New Shelby Street Building and Loan Association.	2,085 00
	The New Shelby Street Building and Loan Association.	. 20 00 4.120 00
	Occidental Savings and Loan Association	4,120 00 1,415 00
	People's Mutual Savings and Loan Association.	53,450 00
	Prospect Savings and Loan Association.	1,725 00
	Plymouth Savings and Loan Association Prospect Savings and Loan Association Provident Building and Loan Association The Railroadmen's Building and Savings Association	3,200 00 1,725 00 3,450 00 288,825 00
		288,825 00 340 00
	The Riverside Savings and Loan Association.	1.000.00
	The Riverside Savings and Loan Association. Russel Avenue Savings and Loan Association, No. 2. Security Building and Loan Association.	585 00 3,280 00
	South Meridian Savings and Loan Association	3,280 00 85 00
	Southeastern Savings and Loan Association South Park Savings and Loan Association. Standard Savings and Loan Association.	2,275~00
	South Park Savings and Loan Association.	750 00
	Turner Building and Savings Association. Union National Savings and Loan Association.	1,930 00 2,875 00
·	Union National Savings and Loan Association.	164 650 00
	West Indianapolis Savings and Loan Association. No. 2	750 00 5 170 00
	Union National Savings and Loan Association. West Indianapolis Savings and Loan Association, No. 2. Western Savings and Loan Association, The Arsenal Building and Loan Association. Packles and Loan Association.	750 00 5,170 00 13,250 00 40,950 00
Beech Grove	The Arsenal Building and Loan Association.	40,950 00
Beech Grove	Marshall County	1,320 00
Plymouth	Marshall County Building and Loan Association.	415 00
	Plymouth Building and Loan Association.	170 00
Loogootee	Martin County Loogootee Building and Loan Association	540 00
Loogootee	The Citizens Building and Loan Association.	3,120 00
	Miami County	,
Peru	The Peru Building and Loan Association	5,850 00 4,460 00
	Monroe County	
Bloomington	The Workingmen's Building, Loan Fund and Savings Association	16, 120 00
	Mutual Building and Loan Association. Bloomington National Savings and Loan Association.	5,280 00 11,279 55
	Montgomery County	
Crawfordsville	The Crawfordsville Building, Loan Fund and Savings Association	10,980 00
1	The Montgomery Savings Association	6,400 00
	The Hoosier State Building Association. Union Savings and Loan Association.	2,79092 $2,47000$
Wingate	Union Savings and Loan Association. The Home Building and Loan Association.	500 00
Darlington	frome Building, Loan Fund and Savings Association	$\begin{array}{c} 1,640 & 70 \\ 450 & 00 \end{array}$
Ladoga	New Richmond Building, Loan Fund and Savings Association	55,410 00

Location	Name	Assessment
	Morgan County	
Martinsville Mooresville	Farmers Savings and Loan Association. The Home Building Association. Mooresville Building and Loan Association.	230 00 7,650 00 470 00
	Newton County	
Kentland Goodland	Kentland Building and Loan Association Newton County Loan and Savings Association	200 00 27,084 29
	Noble County	
Kendallville	Noble County Loan and Savings Association	2,800 00
	Ohio County	
Rising Sun	The Ohio County Building, Loan Fund and Savings Association	331 31
	Orange County	
Orleans	Orleans Building, Loan and Savings Association	217 98
	Owen County	
Spencer	Owen County Savings and Loan Association	304 41
•	Parke County	
Bloomington	Penn Building, Loan and Savings Association	1,140 00
Rosedale	Florida Perpetual Building and Loan Association.	235 29
	Perry County	
Tell City	People's Building and Loan Association. Building Loan Fund and Savings Association.	1,537 53 2,450 00
Cannelton	Cannelton Building and Loan Association. Cannelton Building and Loan Association.	No assessment 670 00
	Pike County	
Winslow Petersburg	Winslow Building and Loan Association People's Building and Loan Association. The Petersburg Perpetual Building and Loan Association.	596 58 2,552 21 1,100 00
	Porter County	
Valparaiso	Valparaiso Building, Loan Fund and Savings Association	14,552 53
	Posey County	
Mt. Vernon	Peoples Loan and Savings Association Poseyville Building and Loan Association. Mutual Perpetual Building and Loan Association.	615 17 640 89 83 14
	Putnam County	
CloverdaleBainbridgeGreencastle.Roachdale	Cloverdale Building, Loan Fund and Savings Association. Bainbridge Building and Loan Association Greencastle Savings and Loan Association. Roachdale Savings and Loan Association.	$\begin{array}{c} 1,526 \ 00 \\ 380 \ 00 \\ 2,273 \ 67 \\ 350 \ 00 \end{array}$
	Randolph County	
Union City Winchester	Permanent Savings and Loan Association. Sixth Building and Loan Association. The Winchester Home and Savings Association.	75 00 3,292 44 12,313 40
	Ripley County	
Milan Batesville Osgood Cross Plains Sunman Versailles	Milan Loan and Building Association. The Permanent Building and Loan Association Citizens Savings and Loan Association The Ripley County Building Association The Osgood Building and Loan Fund Association Cross Plains Building and Savings Association Enterprise Building and Loan Association. Versailles Building, Loan and Savings Association.	340 00 987 84 888 45 1,480 00 339 86 60 00 280 00 26 59

YEAR BOOK

Location	Name	Assessment
	. Rush County	
Carthage Rushville	Carthage Building, Loan and Savings Association. Prudential Building and Loan Association. Building Association, No. 10.	$\begin{array}{c} . & 100 & 00 \\ 247 & 00 \\ 3,850 & 00 \end{array}$
	Scott County	
Austin Scottsburg	Austin Building and Loan Association Scott County Building and Loan Association. Scottsburg Building and Loan Association.	$\begin{array}{c} 50\ 00 \\ 370\ 00 \\ 3,239\ 97 \end{array}$
	Shelby County	
Shelbyville	Union Building Association Homestead Building and Loan Association The Mutual Loan and Savings Association Citizens Building Association	1,000 00 515 00 16,693 31 3,117 09
	Spencer County	
Rockport	Rockport Building, Savings and Loan Association. Grandview Building and Loan Association Hatfield Building and Loan Association. St. Meinrad Building and Loan Association Dale Savings Association.	100 00 1,085 00 30 00 35 00 60 00
	Starke County	
Knox North Judson	Knox Building, Loan and Savings Association. Perpetual Building and Loan Association.	765 00 6,500 00
	St. Joseph County	
South Bend	Workingmen's Building and Loan Association Polish Savings Association Jan III Sobieski Building and Loan Association. Kosciusko Building and Loan Fund Association. St. Joseph County Loan and Savings Association. Indiana Savings and Loan Association Building and Loan Association of South Bend River Park Building and Loan Association. People's Building and Loan Association. Mishawaka Building and Loan Association.	13,330 00 270 00 7,530 00 1,232 00 4,350 00 5,270 00 10,550 00 570 00 1,120 00 4,436 00
	Sullivan County	
Sullivan	Builder's Savings and Loan Association. Sullivan County Loan Association. The Carlisle Building, Savings and Loan Association.	1,519 48 No assessment 1,890 00
	Tippecanoe County	
Lafayette	Citizens Building and Loan Association "B". Star City Building and Loan Association. Clarks Hill-Building, Savings and Loan Association. Home Building, Loan Fund and Savings Association. Stockwell Building and Loan Association.	29,460 00 No assessment 1,430 00 840 51 513 23
	Tipton County	
Tipton	Home Savings and Loan Association. Tipton Building and Loan Association.	2,020 00 11,796 14
	Vanderburgh County	
Evansville	Central Trust and Savings Company Farmers Building and Loan Association. Fidelity Savings and Loan Association. Howell Building and Loan Association. Lamasco Building and Loan Association. North Side Savings and Loan Association. Permanent Loan and Savings Company. Security Savings and Loan Association. Union Building and Loan Association. West Side Building, Loan and Savings Association.	2,146 39 30 00 2,572 54 1,713 36 4,433 67 3,205 74 11,569 53 6,223 52 5,174 39 3,466 40

Location	Name	Assessment
	Vermillion County	
Cayuga	Cayuga Home Savings and Loan Association	3,124 19
Clinton	Clinton Building and Loan Company No. 2	3,670 00
	Clinton Home Loan and Savings Association	4,755 41 5,711 79
D	Wabash Building and Loan Company	5,711 79
Dana	Clinton Home Loan and Savings Association. Wabash Building and Loan Company. Dana Savings and Loan Association. St. Bernice Building, Loan and Savings Association.	No assessment
	Vigo County	
Terre Haute	Adjustable Loan and Savings Association	5.375 00
20110 2200001111111	Central Loan Association	5,375 00 17,625 00
	Central Loan Association. Central Union Building Loan Association.	390 00
	Citizens Savings and Loan Association	4,330 00
	Cottage Building and Savings Association.	20,330 00
	Enterprise Building and Loan Association.	160 00
	Fort Harrison Savings Association Indiana Savings, Loan and Building Association	111,290 00 31,955 00
	Mechanics Building Loan and Savings Association	45,095 00
	Mechanics Building, Loan and Savings Association Merchants Loan and Savings Association	9,260 00
	Phoenix Building, Loan and Savings Association	5,980 00
		25 00
	Terre Haute Mutual Savings Association The Wabash Savings and Loan Building Association. The Union Savings Association. Twelve Point Savings and Loan Association.	9,550 00
	The Wabash Savings and Loan Building Association	29,440 00 23,490 00
	Twelve Point Savings and Loan Association	388 00
	Vigo County Loan and Savings Association.	10,350 00
West Terre Haute	Sugar Creek Building and Loan Association	505 00
	Wabash County	
Wabash	Home Loan and Savings Association	1,670 00
	Warren County	
Williamsport West Lebanon	Warren County Building, Loan Fund and Savings Association	2,600 00 790 00
	Warrick County	
Elberfeld	Elberfeld Building and Loan Association	350 00
Boonville	Boonville Building and Loan Association	160 00
	Franklin Loan and Savings Association	2,710 00
	Warrick Loan and Savings Association. Newburgh Building, Loan and Savings Association, No. 2	5,730 00
Newburgh	Newburgh Building, Loan and Savings Association, No. 2	1,340 00
	Washington .County	1
Campbellsburg Salem	Citizens Building and Loan Association	480 00 16,130 00
	Wayne County	
Richmond	The People's Home and Savings Association	24,962 58
zoenia	The Richmond Loan and Savings Association	2,820 82
	West End Building and Loan Association	2,820 82 6,350 00
Cambridge City	Wayne International Building and Loan Association	100 00
	Wells County	
Bluffton	The People's Mutual Loan and Savings Association	9,400 00
	White County	
Brookston	Home Perpetual Building and Loan Association	1,730 00
Chalmers	The Perpetual Building and Loan Association. People's Building Association.	856 53 664 00

INHERITANCE TAX DEPARTMENT

WILLIAM M. LOUDEN, Special Counsel. SCHUYLER C. MOWRER, Investigator.

The fiscal year 1921 as compared to 1920 shows an increase number of estates and more than of 5% amount of inheritance tax imposed. The collection increased about 34% over the preceding year, and approximately \$300,000 was outstanding at the close of the year. The total cost of appraisements shows an increase and the ratio of cost has materially increased. total amount of property involved increased 6.04% and the tax ratio of \$1.02 to each \$100 of property was the same as for 1920. highest percentage of tax was from Lake County, with \$2.33 of tax on each \$100 of property, and the lowest from Pulaski County, with 39 cents per \$100. Lake County gave \$33,635.35 of tax with a cost of .04 cents per \$100 and Martin County gave \$41.20 of tax at a cost of \$21.84 per \$100. In Lake, Porter and Washington Counties the courts determine the values without appraisers. The average value of estates ranged from \$4,120 in Martin County to \$88,812.88 in Perry County.

Of the totals, Marion County shows 9.5% of the number of estates, 13.6% of the value of property, 19.3% of the tax, and a cost of 12.8% of the total cost.

The fees for appraisements average \$11.11 per estate, as against \$10.62 for 1920.

INHERITANCE TAX

Year	Estates Taxed	Tax Imposed	Net Collections
1914 1915 1916 1917 1917 1918 1919 1920	623 1,439 1,709 1,819 2,086 2,166 2,709 2,834	\$191,669 44 300,507 24 323,139 43 589,705 63 452,480 56 430,211 43 660,111 06 669,362 43	\$85,335 76 233,559 83 258,963 28 292,577 19 623,470 19 441,174 35 485,928 79 652,597 10
Total	15,385	\$3,647,187 72	\$3,073,606 49

The discounts allowed for payment within one year from date of death aggregated \$22,956.92; and interest collected for payments made after eighteen months aggregated \$12,823.01. The refunds made by county treasurers during the year amounted to \$995.28.

The tax in 1920 on each \$100 of property was \$1.02. In 1921, the tax remains consistent, or \$1.02. However, as the amended law was only in effect four months of the fiscal year it is not to be expected that a proportional increase could be seen. Yet in the next fiscal year it is certain a considerable increase will be realized in the tax imposed.

Comparisons for the fiscal year 1920 and 1921 show:

	1920	1921	Increase	Per cent
Number of estates taxed. Amount of property Cost of appraisements. Average value per estate. Appraisement cost per \$100 of value Appraisement cost per \$100 of tax. Average cost per estate.	\$64,638,726 23,730 23,861 .0367 3.59	2,834 \$68,541,449 30,289 24,185 .0442 4.33 11.11	134 \$3,902,723 6,559 324 . 0075 .74 .49	5 6.04 27.64 1.35 20.43 20.61 .0461

An amendment effective May 31, 1921 to the inheritance tax law imposes a tax upon property held in joint name of two or more persons upon the death of one of such persons, excepting therefrom such part thereof as may be proved by the surviving joint owner or joint owners to have originally belonged to him or them and never to have belonged to the decedent.

The law recently passed in New Hampshire (Ch. 70, L. 1921) imposes a flat tax of 2% upon the transfer of personal property of a non-resident decedent to the executor and it is assessed on the actual market value of the property transferred, without exemptions or deductions of any kind.

The National Tax Association of 1921 recommended that all states consider the adoption of this simple plan of a flat rate procedure to procure the same revenue which the states now receive by the application of inheritance tax rates.

Since the last amendment of our inheritance tax law we impose a tax upon intangible property of a non-resident decedent. However, the procedure of collections is cumbersome and unsatisfactory and a great deal of delay has been experienced in procuring waivers in other states in many instances.

The State Board of Tax Commissioners would respectfully recommend to the next Indiana General Assembly that a flat rate of 1% be imposed on all personal property of a non-resident passing at death.

- 1. Rates on excess of \$25,000 and up to \$50,000 are two times the primary rates under the amendment.
- 2. Upon all in excess of \$50,000 and up to \$300,000 three times the primary rates.
- 3. Upon all in excess of \$300,000 and up to \$500,000 four times the primary rates.

Exemptions of property of the clear market value of \$15,000 transferred to the widow of the decedent, and \$5,000 transferred to each of the decedent's children under eighteen years of age, are provided for under the amendment.

William Louden, Attorney, was appointed as Special Counsel during the early part of 1921, and is in charge of the legal procedure of inheritance tax matters. Schuyler C. Mowrer was appointed as regular Inheritance Tax Investigator in the fall of 1921.

Attempts to evade tax by creating joint titles, trusteeships, and by conveyances reserving life estates have come to light. From investiga-

tion of the records in about six counties of the state it is evident that the practice has been followed in a considerable number of instances. The law cannot thus be evaded, and those who have been confidently resting under the belief that they have circumvented the law may find that not only must the tax be paid, but also a substantial amount for interest. During the year 1922, an effort will be made to investigate all records in each county for unpaid tax.

Reports from the counties are as follows:

INHERITANCE TAX STATISTICS

estates Appraised			Net Value	Tax	Fees and	Cost per	Cost per	Average Cost per	Average	1ax per \$100
Appraisers Court Total	tal		of Estates	Imposed	Expenses	Value	Tax	Estate Appraised	per Estate	of Net Value
7 14 133 30 13 27 13 27 13 13 13 13 13 13 13 13 13 13 13 13 13	25.50.52		\$341,149 34 2,058,605 57 854,556 03 1,197,385 33	\$1,799 81 16,279 01 7,252 19 10,911 89	\$223 10 644 58 391 40 669 42	. 0653 . 0458 . 0559	\$12 3 40 5 40 6 13 0 80	\$12 39 5 42 13 49 27 89 0 44	\$13, 645 97 15, 478 23 28, 485 20 44, 347 60 16, 070 37	26.28.6.2
	4		369			.0614	10 28		712	.59
1 34 2 10	: 240	:	776, 737 27 652, 848 07 248, 228 47	5,210 82 5,299 98 1,824 54	449 60 436 05 117 82	.0578 .0667 .0474	8 63 8 23 6 46	14 50 13 21 14 72	25,056 04 19,201 41 24,822 85	.67 .81 .73
23 62	20.03		767, 263 81 1, 260, 773 52	12,864 92 9,077 16	348 00 202 59	.0453	2 71 2 23	13 92 5 19	30,690 55 20,335 05	1.67
14 16 11 21		<u>: </u>	334, 562 76 267, 190 00	2,941 24 2,137 60	7 53 113 09	.0022	5 29	3 76 11 30	20,910 17 12,723 33	.87
19 34 19 34 23 24 27 27 88 88 88 88 88 88 88 88 88 88 88 88 88	₩ 55 00 00 4 1		635,477 42 416,877 97 2,309,912 63 189,143 93 845,309 30	5, 714 38 3, 326 81 27, 312 71 1, 225 43 7, 066 23	110 00 :46 33 607 89 11 00 272 55	.0173 .0111 .0263 .0058	1 39 2 23 3 86 3 86	7 33 11 58 7 15 11 00 10 09	18, 690 51 18, 125 12 26, 249 00 23, 642 99 15, 653 87	.89 .79 1.18 .90
3 21 2 19 19 16 1 25	26868		410, 181 19 348, 887 69 1, 545, 459 08 496, 095 18 408, 052 57	3,584 21 2,911 83 17,367 99 5,605 35 2,919 81	154 00 249 10 427 15 261 61 370 55	.0376 .0713 .0276 .0527 .0908	4 30 8 55 2 46 4 67 12 69	8 55 13 11 12 94 16 35 15 43	19, 532 43 18, 362 51 43, 870 45 31, 005 94 16, 322 12	.83 1.12 1.12 1.13
1 53 14 14 27	28485		609, 757 35 1, 058, 248 24 297, 334 31 716, 843 06 862, 173 38	6, 198 67 7, 220 11 3, 334 09 3, 902 78 7, 717 61	289 95 945 71 95 00 574 00 468 40	.0475 .0893 .0319 .08	13 10 12 85 14 71 6 07	14 49 17 84 6 78 16 40 17 34	29, 036 06 19, 966 94 21, 238 16 20, 481 23 31, 932 34	1.01 .68 1.12 .54 .89

INHERITANCE TAX STATISTICS—Continued

			1.1.	in Doon			
Tax per	\$100 of Net Value	76 1.02 1.30 1.30	. 52 . 51 . 61 . 61	. 93 . 93 . 60 . 79 . 33	1.03 .82 1.13 1.44 .66	1.00 1.12 1.14 7.73	555
	Average Net Value per Estate	\$13,349 03 24,561 02 15,957 52 44,244 47 19,629 74	606 053 038 837 187	197 659 829 857 083	18,078 46 20,540 52 29,265 90 34,340 63 17,272 85	120 886 764 976 392	966 756 862 862 164 215
Average	Cost per Estate Appraised	\$12 40 9 11 11 14 9 22 10 46	11 61 10 70 6 93 16 12 16 98		13 45 17 53 12 75 4 97 10 83		
Cost nor	\$100 of Tax	\$7 3 3 5 4 5 5 8 1 3 1 8 9 2	14 07 11 08 15 67 6 61	7 28 4 19 1 84 04	8 5 3 8 6 2 4 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	21 84 2 90 3 41 6 01 10 45	
Cost per	\$100 of Net Value	.058 .0344 .0618 .017	.0743 .0561 .004 .0965	.0684 .039 .0145	.0589 .0525 .0424 .0043	.00218 .0327 .0391 .0444 .0782	.0203 .0625 .0126 .0211 .0502
t	Fees and Expenses	\$62 00 355 60 345 50 415 15 418 44	139 22 107 00 20 80 129 00 101 93	428 50 410 17 86 78 15 00	820 60 140 25 497 44 4,033 55 519 85	9 00 449 80 162 50 488 57 295 00	117 00 335 41 4 50 16 00 28 20
E	Iax Imposed	\$817 36 10,567 60 4,573 28 31,811 18 4,688 72	988 96 965 01 2, 657 81 822 71 1, 542 52	5, 885 29 9, 785 56 3, 148 06 4, 704 62 33, 635 35	14, 445 62 2, 199 72 13, 242 11 135, 324 45 6, 241 00	41 20 15,485 11 4,765 05 8,122 62 2,823 17	4, 387 07 4, 140 23 195 89 383 49 434 19
Not Vel	Net value of Estates	\$106, 792 29 1, 031, 562 89 558, 513 24 2, 433, 445 45 785, 189 85	187, 272, 45 190, 537, 53 511, 319, 62 133, 540, 74 157, 122, 31	626, 111 00 1, 051, 069 72 519, 036 45 594, 731 54 1, 438, 415 51	1, 392, 042 71 267, 026 74 1, 170, 638 51 9, 340, 653 59 932, 734 39	1, 371, 994 38 415, 284 78 1, 098, 847 63 377, 032 46	575, 400 92 536, 200 14 35, 588 09 75, 821 79 56, 076 60
pes	Total	8 23 25 25 8 6 23 25 25 8	112 110 34 6	288884 188681	77 13 40 54	. 53 20 23 23	, 828.850 9.650 9.650
Estates Appraised	By Court	10	31	35 15 37	16 5 1	616161	co co co co
Est	By Appraisers	330 31 45 45 40	112 110 8 8 8 9	388 388	61 8 39 272 48	23 448 23 23	18 20 1 22 22
Variance		Harrison Hendricks Henry Henry Howard Huntington	Jackson. Jasper Jasper Jayer Jefferson. Jefferson. Jemnings	Johnson. Karox. Kosciusko. Lagrange. Lagrange.	Laporte. Laporte. Madison. Marion. Marshall.	Martin Miami Montgomery Morgan	Newton Noble Ohio Orange Owen.

1,19 1,19 1.68 .47	.39 .70 .71 .57	.71 .72 .75 1.25	1.54 .69 .98 .99	.75 .84 1.38 1.13	.56 .56 .56	1.09 .56 1.15	
24,007 13 88,812 88 20,528 45 13,885 00 20,027 52	14,848 70 22,497 36 17,673 84 10,866 40 18,385 14	37, 283 54 21, 354 67 7, 998 98 39, 933 74 20, 768 55	24, 461 35 17, 706 27 7, 493 65 27, 219 22 30, 739 94	21, 910 43 27, 032 87 21, 125 45 33, 434 26	18,061 13 25,258 38 14,756 60 14,292 49	22, 881 22 22, 701 23 48, 511 29 19, 809 25	
14 07 7 83 12 20 11 85	12 23 13 80 11 84 8 88 12 31	18 02 16 25 12 57 21 66 16 85	20 00 17 04 10 00 13 10 8 39	21 74 12 08 13 04 16 08	5 51 18 81 13 00	8 72 10 26 11 94 11 34	
7 95 5 55 1 60 10 00	21 11 8 12 9 41 14 22 9 98	6 74 10 28 12 47 3 24 98	54 5 76 6 80 4 78 3 42	11 08 4 62 4 45 1 52	4 50 9 15 2 12	1 30 7 17 1 91 11 98	
.0585 .0066 .027	.0823 .0575 .0669 .0817	.0483 .0743 .0943 .0406	.0085 .0398 .0667 .0474	.0839 .0039 .0617 .0173	.0305 .0651 .0176	.0142 .0405 .0219 .0572	
211 00 23 50 61 00 343 70	134 54 207 06 544 70 71 09 480 35	54 06 666 50 37 72 65 00 50 56	1,264 00 204 48 30 00 969 55 176 29	239 20 60 40 274 00 289 60	149 00 395 00 13 00	192 00 266 91 298 50 226 80	\$31,499 01
2,653 49 4,230 89 3,810 63 662 29 3,435 86	637 44 2,549 46 5,786 59 4,812 04	801 70 6,478 83 302 48 2,004 57 5,157 95	23,488 03 3,550 09 441 01 20,278 19 5,154 80	2,158 06 13,067 77 6,160 81 19,033 81	3,307 24 4,314 51 610 96 483 40	14,762 63 3,719 58 15,632 63 1,892 64	\$699,362 43
360, 107 05 355, 251 52 225, 813 04 138, 850 00 580, 798 25	163, 335, 74 359, 957, 76 812, 996, 67 86, 931, 22 717, 020, 60	111,850 63 896,896 35 39,994 90 159,734 96 602,288 05	1,516,603 93 513,482 00 44,961 95 2,041,441 50 676,278 63	284,835 59 1,540,873 92 443,634 53 1,671,713 14	487,650 54 606,201 21 73,783 02 85,754 94	1,349,991 99 658,335 77 1,358,316 22 396,185 12	\$68,541,448 85
12 10 10 29	111 16 46 39	.824 5 20°.	63 522 63 74 6	13 57 21 50	27 24 5 6	2088 2088 2088 2088	2,835
10 10	1	2 1 1 26	174	52		37	555
155	11 15 46 8 8 39	თ 11 თთთ	63 12 3 74 21	11 21 18	27 21 1	22 52 50 50 50 50 50 50 50 50 50 50 50 50 50	2,280
Parke Perry Pike. Porter Posey	Pulaski. Putnam. Randolph Ripley. Rush.	Scott. Shelby Spencer. Starke. Starke.	St. Joseph. Sullivan. Sullivan. Tippecanoe. Tipton.	Union Vanderburgh Vermillion	Wabash Warren Warrick Washington	Wayne Wells. White White	

\$4.503 .0459 .11.11 .\$24,185.40

Average fee cost per \$100 of tax...
Average fee cost per \$100 of value...
Average fee per estate.
Average net value per estate.

INDIANA STATE FIRE MARSHAL

NEWMAN T. MILLER, State Fire Marshal. G. L. PUGH, First Deputy Fire Marshal. JOHN D. CRAMER, Second Deputy Fire Marshal. CLARA McCAMPBELL, Secretary.

LEGAL DIVISION

CHESTER A. DAVIS, Attorney. NINA E. SCHOPPE, Shorthand Reporter.

ARSON DIVISION

CHAS. HOOVER, Ass't, Maywood, Indiana. THOS. H. McCORMICK, Ass't, Delphi, Indiana. M. W. WAREING, Ass't, Lafayette, Indiana. G. V. RITCHIE, Ass't, Indianapolis, Indiana. J. B. HUMPHREY, Ass't, Indianapolis, Indiana.

INSPECTION DIVISION

FRANK C. McCALL, Assistant, Indianapolis. GEO. H. FELTHAUS, Assistant, Evansville. CASH M. GRAHAM, Assistant, South Whitley. W. F. BUNNELL, Assistant, Monticello. H. B. NICHOLSON, Assistant, Crown Point.

OFFICE

LILLIAN KLINGE, Bookkeeper and Statistician. ALICE KLINGE, Order Clerk and Stenographer.

During the period from October 20, 1920, to October 31, 1921, the Inspection Division has issued 848 orders based on personal inspections, calling for the removal of dilapidated buildings, repair of buildings, improvement of garages, motion picture shows, school buildings and dry cleaning plants, to the end that existing fire hazards of every nature might be eliminated, and more especially in places of assembly and public gatherings.

Inspections cover the storage or handling of explosives, fuel oils, gasoline, etc.

Following is a list of classified orders issued:

Removal							¥				٠	 ٠		¥	9	٠	٠		٠	٠		,	1	5	ĺ,	
Repair .																								55	2	

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V.	α	T	a	×	c	S	

Repair	72
Steam heat	69
Discontinue	27
Motion picture theaters	96
School buildings	89
Gasoline	92

During the period above mentioned 1,314 orders have been complied with.

Orders of less importance than the above, and served on owners and occupants at the time of inspection, were written to an amount exceeding five hundred (500), a copy of the order placed on file being the only record kept of the elimination of these minor fire hazards.

In keeping with the modern thought that only in being abreast of the times and conversant with all the latest proven methods of fire fighting and prevention and drilled therein, can fire forces show the greatest and best results, a fire college will be held November 16th and 17th, at the State Fair Grounds in Indianapolis.

At this college, under the direction of Assistant Chief Fulmer, of the Indianapolis Department, a graduate of the New York Fire School, lectures and practical demonstrations with the latest equipment for the subduing of fires will be given.

In addition "Fire Prevention" will have a prominent part on the program and the best methods of obtaining results from prevention campaign discussed.

The session will also include contests in the use of apparatus, by teams or individuals, rescue and resuscitation methods demonstrated and discussed.

Invitations have been issued to all the municipalities of the state to send at least one representative from the Fire Department, that results from the efficiency standpoint may be widespread and the benefit of each chief's experience be derived to the mutual good of the fire fighting forces.

A campaign was launched in September which will be vigorously pressed to make the schools of our state as safe for our children as they can be made from the point of fire hazards, frequent inspection will be made and every safeguard possible thrown around our coming citizenship.

FIRE LOSS STATISTICS

FIRES AND LOSSES BY YEARS SINCE DEPARTMENT WAS ESTABLISHED

	Number of Fires	Loss
1913	(last eight months)	\$5,932,110
1914		7,926,936
1915		5,734,865
1916	6,018	6,437,957
1917		6,179,436
		7,055,090
		6,135,526
		8,228,896
1921	(first eight months)3.958	4,403,466

The Statistical Division prepares at the end of each calendar year ten statistical tables, which are compiled from daily fire reports received from the 1,200 fire marshal assistants throughout the state. Following are fire loss statistics for 1920.

INDEX TO STATISTICAL TABLES

- I. For each month—the number of losses and the total loss.
- II. For each cause—the number of fires, valuation and loss, on buildings and on contents.
- III. For each class of property—the number of fires, value, loss and insurance on buildings and on contents.
- IV. For each class of property—the causes, the number of total and partial losses, and the kind of structure.
- V. For each month—the number and loss from fires of unknown origin.
- VI. For each month—the number of incendiary fires and resulting loss.
- VII. For each city of four thousand or more population—the population, number of fires, loss per capita, value, loss and insurance on property directly jeopardized.
- VIII. Lightning statistics. Number of losses and amounts of loss on rodded and unrodded buildings. Number of lightning losses in cities and towns and in country.
 - IX. Statistics for districts outside incorporated cities and towns.

STATISTICS FOR 1920

$\begin{tabular}{ll} TABLE\ I\\ TOTAL\ NUMBER\ OF\ FIRES\ AND\ LOSS\ BY\ MONTHS \end{tabular}$

Монтн	Number of Losses	Loss
anuary	685	\$842,214
ebruary	713	714,606
arch	505	704,765
pril	405	723,915
ay	443	399,464
ne	284 334	505,093 711,107
lly	278	1,098,423
eptember.	274	494,944
etober	313	541,370
ovember	427	571,499
ecember	422	921,496
Totals	5,083	\$8,228,896

TABLE II CAUSE STATISTICS

CAUSE	No. of Losses	Value of Buildings	Value of Contents	Loss on Buildings	Loss on Contents
	. 010	0m04 0m0	0000 075	2400 074	
Adjoining	312	\$786,973	\$688,075	\$193,374	\$301,347
Alcohol explosion	3	107,500	5,500	825	200
Ashes against wood	48	502,775	205, 925	27,403	13,820
Back fire	32	572,275	328, 995	34,867	186,500
Boiling oil	26 94	527,475	179,950	2,929	1,708
Burning rubbish	94	1,322,880 $95,300$	599,425	38, 229 958	16,471
Careless smoker.	86	2,968,015	10,300 $764,545$	14,482	380
Careless with matches.	76.	533, 135	156,475	11,758	10,591 9,527
Child with matches.	831	187, 658	46, 204	16,483	7,918
Christmas tree	4	14,000	7,100	296	335
Defective boiler	9	148, 598	61,800	81,609	37,874
Defective flue	459	1,720,029.	826, 493	400,083	121.481
Defective furnace	47	530,700	180, 100	55,103	17,795
Defective grate	22	89,300	41,003	4.837	2,802
Defective heater	35	388,660	218,400	26,495	9,041
Defective stove	127	715,550	347,210	56, 213	31,599
Defective wiring	178	3,019,612	1,986,884	167,850	262,872
Drapery against fire	34	106,700	56,750	7,446	5,318
Electric iron	21	163,850	170,200	1,159	3,417
Explosion of chemicals	5	187, 250	53, 100	231,075	40,060
Film ignited	9	131,300	26,300	593	5,250
Fireworks	16	32,860	10,540	820	65
Fumigating	1	1,000	400	900	
Gas explosion	21	146,350	142,950	76,469	87,317
Gas jet	9 8	130,200	14,000	1,325	1,710
Gas stove explosion	76	66,350	35,635	590	1,135
Gasoline explosion	10	$\frac{249,000}{71,400}$	242,435 $56,600$	40,931	105, 171
Hot iron	3	11,800	4,500	9,744	10,504 175
Incendiary	70	269,825	256,805	179,975	179,330
Incubator lamp	13	9,232	2,593	3,457	1, 153
Kerosene explosion	18	268,510	326, 950	24,085	50,762
Kerosene lamp	33	349,650	322,218	16,816	50,695
Kerosene stove explosion	85	271,264	87, 925	18,492	20.997
Lightning	135	325,500	214,720	169, 290	103,287
Overheated smokehouse	22	111,640	63,765	5, 197	1,375
Spark from chimney	1,930	6, 261, 375	2,699,577	535, 992	113, 161
Spark from locomotive	55	1,040,400	489,631	69,495	49,543
Spontaneous combustion	74	1,491,180	2,290,444	344,528	220,999
Thawing water pipes	18	53,900	20,700	910	155
Torch	12	72, 130	22,625	700	625
Tornado	3	3,500	2,150	4,500	2,150
Tramps	4	18,020	58,655	12,320	53,855
Unknown.	745	5,392,845	4,696,998	1,342,015	1,855,463
Vulcanizing	3	4,000	900	10	35
Totals	5,083	\$31,471,466	\$19,024,450	\$4,232,928	\$3,995,968
2000	0,000	131, 111, 100	Q10,021,100	01,202,020	40,000,000
				1	

TABLE III
PROPERTY STATISTICS

Automobile. 84 \$141,597 \$8,500 \$13,336 \$907 \$74,275 \$5,000 \$4 \text{avning.} 4 325 35 100 \$5 120 \$131,700 \$66,950 \$38 asymptotic points of the control								
Awning 4	PROPERTY							Insurance onContents
Awning 4	4.4. 121.	0.4	0141 707	90 500	210 000	2005	971 977	O. 000
Bakery							\$74,275	
Bank. 5 407,000 82,875 950 525 226,000 14,700 82,875 950 525 226,000 14,700 82,875 950 1,756 600 7,550 2,500 8arn. 614 712,000 540,330 550,329 376,471 316,655 263,43 363 1,400 7,550 1,756 950 2,750 3,950 304 1,270 5,960 2,750 3,950 304 1,270 30 311,400 52,115 71,673 10,474 148,250 12,100 11,000 11,400 1,400 1,400 1,500 1,400 1,5							121 700	
Barber shop. 8								00,900
Barn								9 500
Blacksmith shop								
Boat 1	Blacksmith shop							
Box car. 9				*,000		0,000	2,100	0,000
Church 30				3,050		405	132, 150	1.100
City Building 4 858,000 274,500 6,374 1,751 183,000 21,500 Club 7 60,000 19,400 6,870 330 51,125 12,00 Depot 8 17,750 10,390 10,480 6,215 8,550 6,00 Dry cleaning 15 98,450 69,700 4,426 8,679 38,250 35,15 Dwelling 3,395 10,399,519 2,980,945 1,527,523 440,977 5,164,979 1,262,433 Garage 113 542,517 675,049 40,220 152,318 221,797 269,28 Garage 1 4,000 3,000 1,500 1,000	Church	30				10,474		12,100
Depot. Stablishment Dry cleaning	City Building	4	858,000	274,500		1,751		21,500
Dry cleaning establishment 15	Club	7	60,000	19,400	6,870			12,000
establishment 15 98,450 69,700 4,426 8,679 38,250 35,152 Dwelling 3,395 10,399,519 2,980,945 1,527,523 440,977 5,164,979 1,262,43 Elevator 13 542,517 675,049 40,220 152,318 221,797 269,28 Greenhouse 1 4,000 3,000 1,500 1,000 1,000 Hay 9 945 430 1,000 1,000 1,000 Hospital 7 385,000 151,000 5,712 1,925 59,500 27,20 Hotel 27 1,908,000 435,500 62,947 28,879 1,128,500 230,70 Iail 1 10,000 5,712 1,925 59,500 27,20 Iail 1 10,000 25,300 35 25 3,500 12,50 Loundry 9 125,500 205,100 33,980 47,615 75,100 170,20 Loundry	Depot	8	17,750	10,390	10,480	6,215	8,550	6,000
Dwelling. 3, 395 10, 309, 519 2, 980, 945 1, 527, 523 440, 977 5, 164, 979 1, 262, 432 238, 50 224, 355 167, 940 232, 940 238, 50 238, 50 224, 355 167, 940 232, 940 238, 50 238, 50 152, 318 221, 797 259, 28 238, 50 224, 355 167, 940 232, 940 238, 50 238, 50 1, 500 269, 28 28, 379 1, 128, 500 230, 70 1, 500 1, 300 3, 500 1, 260 3, 500 25, 500 3, 500 1, 250 3, 500 1, 250 3, 500 25, 500 3, 500 4, 615 75, 100 170, 20 1, 250 3, 250 1, 399 3, 750 57, 300 12, 50 1, 250 3, 3	Dry cleaning							
Elevator 13 373,350 294,570 224,355 167,940 232,940 238,50 Carage 113 542,517 675,049 40,220 152,318 221,797 269,28 Greenhouse 1 4,000 3,000 1,500 1,0								
Garage 113 542,517 675,049 40,220 152,318 221,797 269,28 Greenhouse 1 4,000 3,000 1,500 1,000 227 269,28 Hospital 7 385,000 151,000 5,712 1,925 59,500 27,20 230,70 Hotel 27 1,908,000 435,500 62,947 28,879 1,128,500 230,70 Jail 1 10,000 600 200 200 220,700 23,500 35 25 3,500 12,50 230,70 170,20 200 200 200 200 170,20 200 200 200 200 170,20 200 200 200 170,20 200 200 200 170,20 200 200 40,90 20,477 70,133 15,45 15,500 43,990 20,477 70,133 15,45 15,500 43,990 20,477 70,133 15,45 15,500 48,990 20,477								
Creenhouse								
Hay 9 945 430 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>269,280</td>								269,280
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				3,000		1,000		
Hotel. 27 1,908,000 435,500 62,947 28,879 1,128,500 230,70 [Julk shop 3 6,700 25,300 35 25 3,500 12,500 [Julk shop 3 6,700 25,300 35 25 3,500 12,500 [Julk shop 3 6,700 25,500 205,100 33,980 47,615 75,100 170,200 [Julk shop 3 121,500 205,100 39,250 15,990 3,750 57,300 127,50 [Julk shop 3 121,500 25,500 43,990 20,477 70,133 15,41 [Julk shop 3 2,000,400 220,370 6,110 4,868 1,249,925 155,61 [Julk shop 3 2,000,400 220,370 6,110 4,868 1,249,925 155,61 [Julk shop 3 2,000,400 220,370 6,110 4,868 1,249,925 155,61 [Julk shop 3 2,000,400 220,370 6,110 4,868 1,249,925 155,61 [Julk shop 3 2,000,400 220,370 6,110 4,868 1,249,925 155,61 [Julk shop 3 2,000,400 220,370 6,110 4,868 1,249,925 155,61 [Julk shop 3 2,000,400 220,370 6,110 4,868 1,249,925 155,61 [Julk shop 3 20,000 13,955 1500 4,765 15,000 4,25 [Julk shop 3 20,000 13,955 1500 1,200 500 1,20				151 000		1 005		07 000
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		27						
funk shop 3 6,700 25,300 35 25 3,500 12,500 Laundry 9 125,500 205,100 33,980 47,615 75,100 170,20 Lodge Hall 14 121,500 39,250 15,990 3,750 57,300 12,75 Lumber pile 12 110,350 25,500 43,990 20,477 70,133 15,41' Manufactory 205 6,774,003 8,002,219 1,085,960 1,397,851 3,654,815 2,913,15,41' Photo gallery 3 25,000 13,955 500 4,765 15,000 4,280 Pool room 9 220,200 95,250 10,325 5,750 93,700 40,80 Post office 1 1,200 500 1,200 800 800 40,80 Restaurant 17 138,200 28,900 1,715 3,050 63,100 14,85 Shoolhouse 43 988,050 63,625 57,046 7,414				435,500			1, 128, 500	230,700
Laundry 9 125,500 205,100 33,980 47,615 75,100 170,20 100g Hall 14 121,500 39,250 15,990 3,750 57,300 12,75 100 120,75 100				25 200			2 500	19 500
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$						3 750		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Lumber nile		110 350					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$					1 085 960		3 654 815	
Photo gallery 3 25,000 13,955 500 4,765 15,000 4,25 Pool room 9 220,200 95,250 10,325 5,750 93,700 40,80 Post office 1 1,200 500 1,200 800 800 Restaurant 17 138,200 28,900 1,715 3,050 63,100 14,85 Sahoolhouse 43 968,050 63,625 57,046 7,414 792,200 39,73 Shorkehuse 10 45,765 27,355 1,555 1,605 40,150 23,27 Storea 286 3,687,675 3,546,230 233,798 879,911 1,591,840 2,173,46 Felephone exchange 2 48,550 201,000 50 100 41,400 125,75 Tent 1 1,500 300 50 100 41,400 125,75 Tent 1 1,500 300 50 100 41,400 125,75 <					6, 110		1, 249, 925	155, 61
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$								
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Pool room		220, 200	95,250	10,325	5,750	93,700	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Post office		1,200	500	1,200		800	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Restaurant	. 17	138, 200	28,900	1,715	3,050	63, 100	14,850
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Saloon				2			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Schoolhouse				57,046			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Smokehouse							
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Storage							
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Store							
Theater							41,400	125,750
Traction car. 5 44,000 775 36,000 Watch tower. 1 3,000 500 400 100							907 000	115 100
Watch tower 1 3,000 500 400 100				249,145				
Totals 5,083 \$31,471,466 \$19,024,450 \$4,232,928 \$3,995,968 \$16,253,934 \$8,384,56	waten tower	1	3,000	900	400	100		
2,000 got, 711, x00 gto, 021, x10 gr, 202, 020 gt, 200, 300 gtt, 203, 304 g0, 304, 30	Totals	5 083	\$31 471 466	\$19 024 450	\$4 232 022	\$3 905 069	\$16 253 024	\$8 384 560
	100415	0,000	WOI, TII, TOU	WID, ULT, 400	WI, 202, 020	ψο, σσο, συο	¥10,200,904	VC, 001, 002

TABLE IV
PROPERTY AND CAUSE STATISTICS

Property	Number from each Cause	Partial Loss	Total Loss	Wood	Brick	Stone
Automobile	22	81	3			
Gasoline explosion	18 14					
Unknown Careless Smoker.	14					
Boiling Oil. Defective heater. Adjoining.	2 2					
Alcohol explosion	1					
Child with matches	1					

Property	Number from each Cause	Partial Loss	Total Loss	Wood	Brick	Stone
Awning. Careless smoker. Careless with matches.	2	4				
Unknown	1					
Bakery Defective stove. Spark from chimney. Ashes against wood.	3 2 1	11		5	6	
Boiling oil Defective flue Defective furnace	1 1 1					
Defective heater	1					
Bank. Adjoining. Ashes against wood. Careless smoker.	1 1 1				5	
Careless with matches	. 1					
Barber shop. Spark from chimney. Unknown. Adicining.	3 3 2	8		4	4	
Barn	196	317	297	603 Wood an	8 d brick 3	
Adjoining. Lightning. Burning rubbish.	106 84 36 26		• • • • • • • • •			
Incendiary Child with matches Careless smoker Ashes against wood	25 20 16	• • • • • • • • • • • • • • • • • • • •				
Spontaneous combustion. Spark from locomotive. Spark from chimney.	16 15 13	• • • • • • • • • • • • • • • • • • • •				
Careless with matches. Defective wiring Fireworks Incubator lamp	9 6 6		,			
Back fire Kerosene lamp. Gasoline explosion.	6 5 5 4					
Overheated smokehouse. Defective stove Boiling oil. Defective flue.	4 3 2 2 2	•••••	• • • • • • • • •			• • • • • • • •
Torch. Defective boiler Explosion of chemicals	1	•••••				
Gas stove explosion. Kerosene stove explosion	1 1 1					
Tornado. Tramps Blacksmith shop.	1			 R	9	
Incendiary Spark from chimney Adjoining	2 2 1	4			2	
Defective flue. Defective wiring Unknown.	1 1 1		• • • • • • • • •			
Boat	1	1		1		

Property	Number from each Cause	Partial Loss	Total Loss	Wood	Brick	Stone
Box Car		8	1	9		
Kerosene stove explosion	2					
Unknown	2					
Back fire	1					
Careless smoker. Defective stove.	1 1					
Spark from locomotive	1					
Torch	1					
Thumak		27	3	19	10	1
Church Lightning	5			19		1
Unknown	5					
Spark from chimney	4					
Defective furnace	4 3 2 2 2 2 2					
Ashes against wood. Careless smoker.	2					
Defective flue	$\frac{1}{2}$					
Defective wiring	2					
Burning rubbish	1		· · · · · · · ·			
Candle	1					
Defective stove	1					
Fireworks	î					
City Building		4			2	2
Burning rubbish	1					
Careless with matches	1					
Unknown	î					
		_				
Slub		7			7	
Spark from chimney	5 1					
Unknown	î					
Depot		5	3	5	3	
Defective stove	$\frac{2}{1}$					
Lightning	î					
Spark from chimney	î					
Spark from locomotive	. 1					
Spontaneous combustion	1 1					
Unknown	1					
Prv Cleaning Establishment		15		4	10	
Gasoline explosion	8			Wood &		
Gasoline explosion	2	15		Wood &	10 Iron 1	
Gasoline explosion. Defective wiring.	$\frac{2}{2}$	15		Wood &	10 Iron 1	
Gasoline explosion. Defective wiring. Spark from chimney. Careless smoker.	$\frac{2}{2}$	15		Wood &	10 Iron 1	
Gasoline explosion. Defective wiring.	$\frac{2}{2}$	15		Wood &	10 Iron 1	
Gasoline explosion Defective wiring Spark from chimney Careless smoker. Gas jet. Unknown.	2 2 1 1	15		Wood &	10 Iron 1	
Gasoline explosion Defective wiring Spark from chimney Careless smoker Gas jet. Unknown	2 2 1 1 1	3, 199	196	Wood &	10 Iron 1	11
Gasoline explosion Defective wiring Spark from chimney Careless smoker Gas jet Unknown Spark from chimney	2 2 1 1 1 1 1,803	15	196	Wood &	10 Iron 1	
Gasoline explosion Defective wiring Spark from chimney Careless smoker Gas jet Unknown welling Spark from chimney Defective flue.	2 2 1 1 1	3,199	196	4 Wood & 	10 Iron 1	
Gasoline explosion Defective wiring Spark from chimney Careless smoker. Gas jet. Unknown. welling Spark from chimney Defective flue. Unknown.	2 2 1 1 1 1 1,803 407 287 142	3,199	196	3,260 Wood &	10 Iron 1	
Gasoline explosion Defective wiring Spark from chimney Careless smoker Gas jet. Unknown welling Spark from chimney Defective flue. Unknown. Adjoning. Defective stove	2 2 1 1 1 1 1,803 407 287 142	3,199	196	3,260 Wood &	10 Iron 1	
Gasoline explosion Defective wiring Spark from chimney Careless smoker Gas jet. Unknown welling Spark from chimney Defective flue Unknown Adjoining Defective stove	1,803 407 287 142 91 75	3,199	196	4 Wood & 3,260 Wood &	10 Iron 1	
Gasoline explosion Defective wiring Spark from chimney Careless smoker Gas jet. Unknown. welling Spark from chimney Defective flue. Unknown Adjoining Defective stove explosion	1,803 407 287 142 91 75 69	3,199	196	3,260 Wood &	10 Iron 1	
Gasoline explosion Defective wiring Spark from chimney Careless smoker. Gas jet. Unknown. welling Spark from chimney Defective flue. Unknown. Adjoining Defective stove. Defective wiring Kerosene stove explosion Careless with matches Child with matches.	2 2 1 1 1 1 1,803 407 287 142 91 75 69 53 46	3,199	196	4 Wood & 3,260 Wood &	10 Iron 1	
Gasoline explosion Defective wiring Spark from chimney Careless smoker. Gas jet. Unknown. welling Spark from chimney Defective flue. Unknown. Adjoining. Defective stove. Defective wiring Kerosene stove explosion Careless with matches Child with matches. Defective unrace.	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 87 1 142 91 75 69 53 407 55 69 56 69 57 57 57 57 57 57 57 57 57 57 57 57 57	3,199	196	3, 260 Wood &	10 Iron 1	
Gasoline explosion Defective wiring Spark from chimney Careless smoker. Gas jet. Unknown welling Spark from chimney Defective flue. Unknown Adjoining Defective stove Defective wiring Kerosene stove explosion Careless with matches Child with matches. Defective urnace.	2 2 1 1 1 1 1 1,803 407 287 142 91 75 69 53 46 35 35	3,199	196	4 Wood & 3,260 Wood &	10 Iron 1	
Gasoline explosion Defective wiring Spark from chimney Careless smoker. Gas jet. Unknown. Welling Spark from chimney Defective flue. Unknown. Adjoining. Defective stove. Defective stove. Defective wiring Kerosene stove explosion. Careless with matches. Child with matches. Defective furnace. Lightning. Dranery against fire	2 2 1 1 1 1 1,803 407 287 142 91 75 69 53 46 35 35 30 25	3,199	196	3, 260 Wood &	10 Iron 1	
Gasoline explosion Defective wiring Spark from chimney Careless smoker Gas jet. Unknown Welling Spark from chimney Defective flue. Unknown. Adjoining Defective stove Defective stove Defective wiring Kressene stove explosion Careless with matches Child with matches Defective furnace	2 2 1 1 1 1,803 407 287 142 91 75 69 346 35 30 25 24	3,199	196	3,260 Wood &	10 Iron 1	
Gasoline explosion Defective wiring Spark from chimney Careless smoker. Gas jet. Unknown. Owelling Spark from chimney Defective flue Unknown. Adjoining Defective stove Defective stove Defective wiring Kerosene stove explosion Careless with matches Child with matches Defective furnace Lightning Drapery against fire Kerosene lamp Burning rubbish Careless smoker	2 2 1 1 1 1,803 407 287 142 91 75 69 346 35 30 25 24	3,199	196	3, 260 Wood &	10 Iron 1	
Gasoline explosion Defective wiring Spark from chimney Careless smoker. Gas jet. Unknown. Dwelling Spark from chimney Defective flue. Unknown. Adjoining Defective stove Defective stove Defective wiring Kerosene stove explosion. Careless with matches Child with matches. Defective furnace Lightning Drapery against fire Kerosene lamp Burning rubbish Careless smoker. Defective myrate	2 2 1 1 1 1 1,803 407 287 142 91 175 69 53 46 35 30 25 24 24 24 20	3,199	196	3,260 Wood &	10 Iron 1	
Gasoline explosion Defective wiring Spark from chimney Careless smoker Gas jet. Unknown. Owelling Spark from chimney Defective flue Unknown. Adjoining Defective stove Defective stove Defective wiring Kerosene stove explosion Careless with matches Child with matches. Child with matches. Defective furnace Lightning Drapery against fire Kerosene lamp Burning rubbish Careless smoker Defective grate Spark from locomotive.	2 2 1 1 1 1,803 407 287 142 91 75 69 53 35 35 35 35 24 24 20 20	3,199	196	3, 260 Wood &	10 Iron 1	
Defective wiring Spark from chimney Careless smoker. Gas jet. Unknown. Spark from chimney Defective flue. Unknown. Adjoining. Defective stove. Defective wiring. Kerosene stove explosion Careless with matches Child with matches. Defective furnace. Lightning. Drapery against fire Kerosene lamp Burning rubbish Careless smoker. Defective grate	2 2 1 1 1 1 1,803 407 287 142 91 175 69 53 46 35 30 25 24 24 24 20	3,199	196	3,260 Wood &	10 Iron 1	

PROPERTY	Number from each Cause	Partial Loss	Total Loss	Wood	Brick	Stone
Dwelling—Continued.						
Spontaneous combustion. Thawing water pipes. Gas explosion. Electric iron	16					
Cas explosion	16 15					
Electric iron	14					
Ashes against wood	12					
Kerosene explosion	12					
Bolling oilFireworks	10					
Boiling oil. Fireworks. Gasoline stove explosion.						
Candle	8 7 7 5					
Incupator tamp	7					
Torch	4					
Gas jet	4					
Gas stove explosion	. 4					
Overheated smokehouse	4					
Hot iron	$\begin{bmatrix} 3\\2\\1 \end{bmatrix}$					
Alcohol explosion.	1					
Film ignited	1					
Fumigating	1					
Tornado	1					
Elevator		10	3	8	2	3
Unknown	7					
Incendiary	2.					
Defective grate.	1		<i></i>			
Gasoline explosion	1					
Spontaneous combustion	i					
		0.17	0.0	77	25	
Garage Unknown.	26	87	26	77 Wood &	35 Brick 1	
Defective wiring	17				Direct 1	
Defective wiring. Gasoline explosion.	14					
Adjoining Spontaneous combustion	10					
Back fire	8 5 4					
Incendiary	5					
Torch	4					
Burning rubbish	3 3 3 2 2 2					
Defective stove. Spark from chimney.	3					
Vulcanizing	3					
Vulcanizing	2					
Careless smoker	$\frac{2}{2}$					
Child with matches	. 2					
Defective furnace	1					
Defective heater	1					
Kerosene explosion	1					
Overheated smokehouse.	1					
	•					
Greenhouse		1				1
Defective boiler	1					
Hay		9				
Child with matches	5					
Unknown	4				<i>.</i>	
Hospital		7		3	3	
Defective wiring	3			Wood &	Brick 1	
Hospital Defective wiring Careless with matches	1					
Defective boller	1					
Defective heater Spark from chimney	. 1					
opark from oblining.	1					
Hotel		26	1	10	16	
Unknown	7			Cement		
Careless smoker	4 4					
Space from outling,	4 (

Property	Number from each Cause	Partial Loss	Total Loss	Wood	Brick	Stone
Hotel—Continued.						
Defective flue	3					
Defective wiring	3					
Adjoining	2					
Defective stove	3 2 1					
Drapery against fire	1					
Gasoline explosion	1					
Jail.		1			1	
Defective wiring	. 1					
Junk shop		3		2	1	
Defective flue	1	· • • • • • • •			,	
Spark from chimney Spontaneous combustion	1					
Spontaneous compustion	1					
Laundry		9		3	6	
Unknown	4					
Defective flue	1	• • • • • • •				
Gasoline evalosion	1					
Spark from chimney	1					
Spontaneous combustion	1.					
Tadas hall		10	4	7	77	
Lodge hall	3	10	*		•	
Adjoining Spark from chimney						
Unknown	3 3 1					
Unknown Ashes against wood Burning rubbish	1 1					
Defective flue.	1			• • • • • • • • •		
Gas explosion.	1					
Kerosene stove explosion	1					
Lumber pile		12		12		
Unknown	4	12		12		
Spark from locomotive	2					
Burning rubbish	1					
Careless smoker	1					
Defective wiring	1 1					
Incendiary	î 1					
Tramps	1					
Manufactant		177	28	70	105	
Manufactory	54	144	20	Wood &	Brick 21	*
Spark from chimney	28			Wood &	Iron 5	
Spontaneous combustion	.19					
Defective wiring	14 12	• • • • • • •		· · · · · · · · ·		
Spark from locomotive						
Adjoining	8 6 5 5 5					
Back fire	6					
Burning rubbish Defective stove	5					
Incendiary	5					
Defective boiler	4					
Defective furnace	4					
Defective heater Ashes against wood Explosion of chemicals	4					
Explosion of chemicals	3					
Gasoline explosion	3					
Kerosene explosion	3					
Kerosene lamp. Lightning	3					• • • • • • • • •
THE HOUSE CO	3					
Boiling oil.	9					
Boiling oil. Gas explosion.	. 2					
Boiling oil. Gas explosion. Careless smoker. Careless with matches.	4 3 3 3 3 3 3 2 2 2 1					

Property Property		•		,			
Electric iron	Property	from each	Partial		Wood	Brick	Stone
Electric iron	Manufactured Continued						
Gas stove explosion	Manufactory—Continued.	1					
Gas stove explosion	Gasoline stove explosion	i					
Marcosene stove explosion	Gas stove explosion	i					
Tramps	Kerosene stove explosion	1					
Office building.	Thawing water pipes						
Unknown	Tramps	1					
Spark from chimney.	Office building	7	31				2
Ashes against wood	Spark from chimney						
Careless smoker	Ashes against wood						
Burning rubbish. 2 2 2 2 2 2 2 2 2	Careless smoker	3					
Defective heater	Burning rubbish	2					
Defective heater	Defective wiring	2					
Defective heater	Defective flue	1					
Defective stove :	Defective heater.	î					
Incendiary	Defective stove:	î					
Incendiary 1	Drapery against fire						
Photo gallery 3 3 3 Burning rubbish 1 1 1 1 1 1 1 1 1	Incendiary						
Burning rubbish	Kerosene stove explosion	1			• • • • • • • •		
Burning rubbish	Photo gallery		3			3	
Defective wiring 1	Burning rubbish	1					
Pool room	Defective wiring	1					
Careless smoker	Spontaneous combustion	1					
Careless smoker	D 1					_	
Unknown	Pool room						
Alcohol explosion	Unknown						
Incendiary	Alcohol explosion	1					
Post office	Incendiary	1					
Restaurant	Kerosene explosion	1					
Restaurant	D1 - M		1		4		
Restaurant		T					
Boiling oil 3	,						
Spark from chimney	Restaurant		16				1
Adjoining	Boiling oil						
Careless with matches	Spark from chimney	3					
Careless with matches	Rurning rubbish	1 1					
Defective flue.	Careless with matches	1					
Defective wiring	Defective flue	1					
Defective wiring	Defective heater	. 1					
Gas jet.	Detective stove	1					
Gasoline explosion	Gas jet						
Unknown	Gasoline explosion.	î					
Unknown	Kerosene stove explosion	1					
Spark from chimney	Unknown	1					
Spark from chimney	Coloon		1		1		
Schoolhouse 33 10 13 30 Unknown 12 3 3 30	Spark from chimney	1	1				
Unknown 12	Death from onthings	1					
Unknown 12 Spark from chimney 9 Defective stove 6 Defective flue 3 Lightning 3 Spontaneous combustion 2 Adjoining 1 Burning rubbish 1 Candle 1 Careless with matches 1 Defective furnace 1 Defective turnace 1 Defective heater 1	Schoolhouse		33	10	13	30 .	
Defective stove	Unknown						
Agintang 3	Spark from chimney						
Agithing 3	Defective flue						
Burning rubbish. 1 Candle. 1 Careless with matches 1 Defective furnace 1 Defective heater 1	Lightning	3					
Burning rubbish. 1 Candle. 1 Careless with matches 1 Defective furnace 1 Defective heater 1	Spontaneous combustion	2					
Candle. 1 Careles with matches 1 Defective furnace. 1 Defective heater. 1	Adjoining	1					
Careless with matches 1 Defective furnace 1 Defective heater 1	Burning rubbish	1					
Defective furnace. 1	Careless with matches	1					
Defective heater	Defective furnace	1					
Spark from locomotive. 1	Defective heater	1					
Tornado 1	Spark from locomotive						
	Tornado	1		1		1	

				1 -	1	1
PROPERTY	Number from each Cause	Partial Loss	Total Loss	Wood	Brick	Stone
Smokehouse		6	4	7	3	
Overheated smokehouse	8				-	
Boiling oil	1					
Unknown	1					
Stomano .		00				
Storage Unknown	14	30	6	25	11	
Adjoining	14 5					
Defective stove	2					
Incendiary	$\tilde{2}$					
Spark from chimney	$\frac{1}{2}$					
Spark from locomotive	$\bar{2}$					
Boiling oil	1					
Burning rubbish	1					
Child with matches	1					
Defective grate	1					
Defective heater	1					
Drapery against fire	1					
Kerosene explosion	1					
Kerosene stove explosion.	1					
Spontaneous compustion	1					
tore		256	30	132	140	3
Unknown	76	200		Wood &	Brick 11	
Spark from chimney	34					
Adjoining	30					
Defective flue	23					
Defective wiring	20					
Burning rubbish	15					
Careless smoker	14					
Incendiary	8					
Defective stove	7					
Electric iron	- 5					
Gasoline explosion.	5 5					
Kerosene stove explosion. Overheated smokehouse.	5					
Spontaneous combustion	5					
Ashes against wood.	4					
Careless with matches.	4					
Lightning	4					
Boiling oil.						
Child with matches	3					
Gas jet	3				.,	
Spark from locomotive	3					
Defective furnace	3 3 3 2 2					
Gas stove explosion	2					
Back fire	. 1					
Defective heater	1			. ,		
Explosion of chemicals.	1 1					
Gas explosion. Gasoline stove explosion.	1					
Tramps.						
11amps	*					
elephone exchange		2		1	1	
Defective wiring	1					
Spark from locomotive	1					
ent.		1				
Unknown.	1					
hontro		19		2	16	
heatre				Wood &		
Film ignited				WY OUG OF	DIJUK I	
Film ignited	5					
Film ignited. Unknown	8 5 3					
Film ignited	5 3 2					

TABLE IV—Continued

PROPERTY	Number from each Cause	Partial Loss	Total Loss	Wood	Brick	Stone
Traction car Defective wiring. Unknown Defective stove. Watch tower. Thawing water pipes.	2 2 1	14,459		1	584	

Wood and	brick	 		 				 								 	. 4	9
Wood and	iron	 		 				 , .		٠, .		,				 		6
Wood and Cement	glass	 	 ٠		•		 •	 	•			•			,	 		1

TABLE V
FIRES OF UNKNOWN CAUSE

Монтн	Number of Losses	Loss
January February March April May June July August September October November	77 64 63 41 52 51 51 57 69 74	\$459, 088 289, 736 446, 278 104, 417 173, 050 155, 402 199, 603 230, 115 112, 839 210, 719
December. Totals.	71 745	\$3, 197, 478

TABLE VI INCENDIARY FIRES

Month	Number of Losses	Loss
anuary	5	\$97,360
ebruary	5	15, 150
larch	5	3,805
pril	11	16,095
av	4	36, 115
ine.	2	1,350
ily	3	1,835
igust	12	11, 175
eptember	7	88,735
ctober	6	11,685
ovember	5	18,850
ecember	5	57, 150
· Totals	70	\$359,305

TABLE VII
STATISTICS FOR CITIES OF 4,000 OR MORE POPULATION

Сітч	Popula- tion	Number of Fires	Loss Per Capita	Total Value of Property	Total Damage to Property	Total Insurance of Property
Alexandria	5,096	25	\$0 41	\$83,650	\$2,136	\$29,95
Inderson	24,230	241	95	3,297,350	23,256	1,192,45
Bedford	10,613			005 000	00.00	
Bloomington	11,661	26 47	2 54	$285,200 \\ 60,400$	29,685	100,65
Bluffton	4,987		24	156,000	$1,198 \\ 12,727$	24,20
Brazil	$10,472 \\ 6,229$	60 9	$\begin{array}{c c} 1 & 21 \\ 1 & 44 \end{array}$	73,350	9,021	80,60
Clinton	9,310	72	1 44	554,820	13,117	40,10
Columbus	7,738	106	1 53	743 050	11,842	40,10 92,20 691,47
ConnersvilleCrawfordsville	11,443	132	3 61	743,050 300,000	41,312	130,27
Decatur	4,471	29	31 08	222,625	138,985	161,80
East Chicago	30,286	239	2 22	1,050,480	88,320	493,52
Elkhart	22,273	277	2 10	2,200,380	46,873	946,93
Elwood	11,028	74	$\frac{2}{2} \frac{10}{50}$	271,645	27,595	117,90
Evansville	76,981	516	2 89	3,648,976	222,865	1,881,03
Fort Wayne	78,014	691	7 60	3,475,215	593,657	1,567,80
Frankfort	10, 103	67	68	13, 140	6,964	13, 14
ranklin	4,502	21	1 47	37,422	6,645	30,00
Farrett	4,149	17	1 17	37,422 36,100	4,856	23,00
gary	56,000	433	3 26	6,450,167	182,868	3,299,21
oshen	9,026	55	4 66	500,000	42, 147	253, 90
Greenfield	4,448	34	7 83	106,625	34,840	53,7
Freensburg	5,420	18	1 85	53, 125	9,845	19,0
Hammond	27,016	286	1 88	782,645	50, 925	393, 2
Hartford City	6,187	28	. 94	152,000	5,875	115,70
Huntington	10,982	150	1 10	791,550	12,095	98, 28
ndianapolis	283,622	3,450	6 39	8,957,327	1,812,980	1,786,56
leffersonville	10,412	39	9 69	166,285	100,925	117, 1
Kendallville	4,981			11	••	
Kokomo	21,929	249	11 66	3,467,129	255,791	2,007,64
Lafayette	21,481	216	9 32	1,369,795	200,324	747,08
Laporte	13,572	135	57	147,665	7,799	81,9
Lebanon	5,474	52	6 04	802.516	33,085	24.10
Linton	5,906	15	1 28	49,730 300,000	7,590	29, 20 100, 00
Logansport	21,338	245	1 87	300,000	40,000	100,00
Madison	6,934	15	61	34,700	4,294 483,800	10,5 852,3
Marion	19,923	395	24 28	1,614,500	483,800	852,3
Martinsville	4,529	14	45	132,000	2,041	84,5
Michigan City	21,913	164	49	1,098,180	10,756	481,0
Mishawaka	17,083	206	69	185,000	11,931	85,6
Mt. Vernon	5,563	36	6 29	132,700	35,007	77,6
Muncie	25,653	208	5 30	4,190,965	138, 209	993,2
New Albany	27,410				0.70	104.0
Newcastle	14, 144	99	67	900,000 125,000	9,589	164,0
Noblesville	5,073	56	22	125,000	1,162	25,4
Peru	12,491	200	42	649,000	5,298	328,5
Portland	5,130	25	1 02	86,075	5,253	56,1
Princeton	6,448	28	1 84	119,600	11,885	45,9
Richmond	25,080 4,925	226	52	1,068,150	13,270 155,630	394,1
Rushville Seymour	6,305	37 29	31 60 6 78	285,850 $121,735$	42,774	128,1
Shelbyville	11, 201		1 02	631,702	11, 487	73,8
South Bend	70,967	67	10 92	5,423,907	775,273	422,5
Sullivan	4, 115	824	10 92	41,100	625	1,706,3
Ferre Haute	67,361	259.	7 88	3,344,528	531,343	16,0
Terre Haute Tipton		56	1 17	166,700	4,801	1,734,6
Valparaiso	6,987	37	3 06	289, 975	21,411	121, 5
Vincennes	18,089	140	1 01	404,580	18,414	231,0
Wabash		121	6 67	606 550	58, 290	
Warsaw	8,737 4,430		3 29	696,550 154,525	14,600	269,7, 70,4
warsaw Washington	7,854	31 79	1 32	150,643	10 449	50.2
Whiting	6 597			278,380	6,713	59,3 120,9
VV 1111/11100		20		210,000	0,713	120,9
Winchester	4,266	5	74	200,400	3,179	178.3

TABLE VIII LIGHTNING STATISTICS

Monte	Number of Lightning Losses	Loss
January. February. March. April May June July. August September October. November. December.	2 7 2 22 22 55 27 18 2	\$5,540 14,376 1,690 23,687 111,216 77,700 35,092 3,276
Totals		

TABLE IX
STATISTICS FOR DISTRICTS OUTSIDE INCORPORATED CITIES AND TOWNS

CAUSE	Number of Fires	Loss
Adjoining Back fire Burning rubbish. Careless smoker Careless with matches Child with matches Child with matches Defective flue. Defective flue. Defective store. Defective wiring. Drapery against fire. Fumigating. Gas explosion. Gas stove explosion. Gas stove explosion. Incendiary Incubator lamp Kerosene explosion. Kerosene explosion. Kerosene stove explosion. Lightning. Overheated smokehouse Spark from chimney. Spark from chimney. Spark from comotive. Spark from comotive. Spontaneous combustion. Tornado.	39 1 3 1 3 7 7 129 1 1 1 17 8 3 1 1 1 1 1 3 1 1 1 3 1 1 1 3 1 1 3 1 1 3 1 1 3 1	\$43, 617 9, 200 6, 900 2, 400 2, 300 12, 429 264, 720 100 438 36, 257 101, 880 9, 700 40 21, 109 107, 310 3, 845 3, 350 21, 772 4, 422 256, 710 850 247, 792 247, 792 26, 831 339, 849 6, 650 65, 575
Unknown. Total	192 752	\$2,199,653

Number of total losses. 374 Number of partial losses. 378

FINANCIAL REPORT

For Period from October 1, 1920 to September 30, 1921.

Total Amount of Warrants\$46,999 August and September Salaries Paid from Governor's Con-	67
tingent Fund	64
Salaries—Fire Marshal, deputies and clerks\$28,727	85
Transportation 4,789	02
Hotel expense and meals	75
Livery hire 1,060	83
Telegraph and telephone	69
Postage 309	42
Office supplies, stationery and printing	08
Freight and express	74
Expense of witnesses	02
Extradition expense and Special Services 5,521	31
Obtaining evidence	60

\$50,276 31

ARSON INVESTIGATION DIVISION

Following is a report, in tabulated form, showing results obtained by the Arson Division for the fiscal year ending September 30, 1921:

Fires investigated	115
Incendiary	45
Cases filed	34
Convicted	15
Acquitted	2
Jury disagreements	2
Pending in court for trial	18
Unknown (suspicious)	12
Unknown (careless or accidental)	58

Arson is one of the most difficult crimes in which to secure a conviction for the reason that the evidence, in most cases, is destroyed. Evidence must be secured which will prove that there really was a fire, and that it was of incendiary origin. To an investigator every person who has any connection whatsoever with the property is open to suspicion.

Owing to depression in business the work of the "fire-bug" has been steadily on the increase for the past year. In various parts of the state the increase in incendiary fires is due to the fact that many people are operating moonshine stills and "blind tigers," and upon receiving word that they are to be raided the place of business is burned to destroy the evidence.

REPORT OF THE STATE HIGHWAY COMMISSION

COMMISSIONERS

CHARLES W. ZEIGLER, Chairman, Attica. ALVAN V. BURCH, Vice-Chairman, Evansville. EARL CRAWFORD, Connersville. WALTER G. ZAHRT, Fort Wayne.

LAWRENCE E. LYONS, Director.

The work of the Highway Commission is one of huge proportions and constitutes a distinct departure from the old methods employed in the solution of the highway problem. The undertaking was begun when transportation, materials, labor and other elements which enter into the construction and maintenance of highways were at peak prices, owing to the abnormal conditions prevailing during and after the World War. In spite of these handicaps, the commission has completed 119.8 miles of hard surfaced roads. These contracts were let in 1919 and every one but one are now completed. In addition, 44 bridges, varying in size from eight to 431 feet have been built and 30 more are now in the course of construction. The maintenance department has under its control 3,191 miles of state highway, which is being maintained systematically and economically by the patrol system. Under the provision of law authorizing the commission to give aid and advice to counties and municipalities, inspection has been furnshed on 25 county roads that have been completed, aggregating 51.8 miles and involving an expenditure of \$1,980,000. The department is furnishing supervision on 41.9 miles of county roads now under construction, involving an expenditure of \$1,000,000. In addition, supervision has been furnished on one county bridge costing \$10,800 and the commission is at present supervision the construction of the bridge over the Wabash River at Attica. This bridge is on the state highway system and is both a county aid and state aid project, the state having supplied \$19,108, and Fountain County \$272,540.31. The engineering, including the making of the original surveys, preparation of the design and the supervision of construction, were furnished by the state highway commission, and the contract was let by the commissioners of Fountain County.

Plans and specifications for the following county roads have been submitted to the commission for approval:

Project	County
C. A. 31	Orange 2.50
C. A. 32	Allen 11.80
C. A. 36	Vigo 5.71
C. A. 37	Floyd 2.84
C. A. 41	Allen 6.58
C. A. 45	Monroe 2.76
C. A. 46	Vigo 1.69
C. A. 48	Allen1.48
C. A. 57	Grant 1.00
C. A. 59	Lake 5.55
C. A. 60	Fountain 16.78
C. A. 62	Vigo 1.90
С. Л. 68	Floyd 3.46
C. A. 69	Floyd 3.29
C. A. 74	Vanderburgh 1.3
C. A. 75	Vanderburgh 3.2

Plans and specifications for the following county bridges have been submitted to the commission for approval.

Project	County	Cost
C. A. 12	Miami	\$20,000.00
C. A. 12	Miami	420.00
C. A. 15	Brown	53,000.00
C. A. 30	Hamilton	53,000.00
C. A. 36-A	Vigo	12,000.00
C. A. 39	Ripley	5,000.00
C. A. 40	Boone	15,000.00
C. A. 42	Allen	150,000.00
C. A. 51	Boone	14,540.00
C. A. 52	Boone	15,560.00
C. A. 59-A	Lake	14,390.00
C. A. 65	Perry	6,200.00
C. A. 73	Vanderburgh	35,000.00
C. A. 76	Marion	60,000.00
	Total	\$454,110.00

As the result of the determined stand of the commission for lower prices, recent purchases of stone and gravel have been made at a decided decrease below the peak prices recently prevailing, and judging from present indications, hard surface roads should be built next year at a reduction of from \$6,000 to \$10,000 per mile below 1920 prices. In addition, reductions in freight rates amount to from 12% to 14% and the saving from this source should aggregate several hundred thousand dollars next year. A change in the method of letting contracts has resulted in a saving of approximately \$10 on every \$100 worth of contracts awarded and has further resulted in securing a better class of contractors.

We believe that the road question must be viewed as presenting two distinct phases, one the carrying of the present traffic, not on a few roads, but on all roads of the entire system, and the other that of gradually constructing roads of some permanent type as present and future traffic will require. In the main, we believe these will be confined to a few main lines and on the roads for 15 or 20 miles out of the large cities. This view of our problem accounts for the large expenditure of funds on maintenance.

The recapitulation in our report shows an administration charge of less than % of 1% and a total overhead of only 3.16%. Last year our total overhead was 12.9%, which under the circumstances was very low. The Federal Aid statement shows \$1,952,376.84 available, if matched with an equal amount of state funds, to be applied on approved projects, and \$2,619,960.44 available to be placed under agreements with the government, which must be accomplished before June 30, 1923. Thus \$4,572,000 Federal Aid of the original \$7,415,000 apportioned to Indiana can be made immediately available for use. The proposed "Federal Highway Act" provides for the apportionment to Indiana of an additional \$1,900,000 available in 1922. This must be placed under agreement before June 30, 1924. If this act should be passed and the income of the State Highway Fund were sufficient to match these apportionments, Indiana could spend \$12,800,000 on approved projects during 1922, and be reimbursed for one-half of this amount by the government.

At the rate Indiana matched Federal Aid in 1921, it will require four years to use the Federal moneys available. The proposed "Federal Highway Act" contemplates that congress will make future appropriations which will provide additional Federal Aid, and it is recommended that the legislature be requested to provide annually additional funds necessary to match whatever additional aid is apportioned annually to Indiana. This will be necessary or our splendid system of road maintenance will have to be curtailed for lack of funds to carry on the program so well started.

REPORT OF THE DIVISION OF AUDITING

JOHN D. WILLIAMS, Chief Clerk.

DUE STATE HIGHWAY FUND SEPTEMBER 30, 1921

Freight paid for contractors	\$47,052	82
Truck Rentals	10,091	7 5
Repairs on trucks	3,530	44
Federal aid earned	491,434	28
County aid	21,824	24
State aid advanced City of Greenfield	16,904	69
_		
Total due	\$590,838	22

Freight paid by contractors, Truck rentals and Repairs on Trucks will be collected from the state's contractors at the time of final settlement.

Federal aid earned, represents the United States' part of the contract payments not reimbursed by the Secretary of the Treasury. This amount most likely will be paid and the Highway Fund reimbursed before January 1, 1922.

County aid, represents charges on account of inspection and supervision of completed improvements made by the counties, under the County Unit and Three Mile Gravel Road Laws. Included in this account are claims totalling \$1,019.11 against Kosciusko County for supervision of three improvements completed October, 1919, and claims totalling \$2,877.26 against Howard County for supervision of improvements completed June, 1920, and July, 1920, respectively. These should be collected with interest from date of completion of contracts.

State aid advanced to City of Greenfield, represents a claim due from the City of Greenfield on account of an agreement entered into on August 27, 1919, for the paving of Main Street, a part of the National Road through Greenfield, which provides that the city will bear the cost of the improvement in excess of eighteen (18) feet within the corporate limits of the city. The Highway Commission having completed the paving and having advanced the total cost of the improvement, the Highway Fund is now entitled to receive reimbursement from the City of Greenfield for the cost of the pavement in excess of eighteen (18) feet as provided in the agreement, with interest from October 30, 1920, the date of the completion of the improvement.

FEDERAL AID STATEMENT

Federal Aid apportioned Act 1916 Received from government on completed contracts \$175,343.22 Received on contracts not completed 1,756,278.57	\$7,415,292. 61
Total received\$1,931,621.79	
Earned and due from the government	
Covered by construction contracts	
Covered by project agreements (available for construction). 1,952,376.84	
Total project agreements\$4,795,332.17	
Covered by project statements (subject to change) 1,987,655.71	
Total aid obligated\$6,782,987.88	
Federal Aid not obligated 632,304,73	
reueral Alu not obligated 632,304.78	
Total	\$7,415,292. 61

Of the \$7,415,292.61 Federal Aid apportioned to Indiana, \$632,304.73 remains to be placed under "Project Statements" approved by the Secretary of Agriculture. When this is accomplished this amount together with \$1,987,655.71 already approved may then be placed under "Project Agreements," and when approved by the Secretary of Agriculture it will be set aside by the Secretary of the Treasury for the benefit of Indiana.

Under the Federal Aid Act of 1916, \$2,619,960.44 must be placed under agreement before June 30, 1922 (extended to June 30, 1923, by Federal Highway Act of 1921), or any remaining part of the amount not so placed will be lost to Indiana and be reapportioned to all the states by the Secretary of Agriculture. No time limit has been fixed within which actual disbursement of these funds must be made.

The statement of accounts exhibits in detail the receipts and disbursements from the Highway Fund, as constituted by the acts of the legislature of 1919.

FINANCIAL STATEMENT	
October 1, 1920, to September 30, 1921	
Balance October 1, 1920 \$2,784,605.11 Receipts 6,715,671.99	
Total	\$9,500,277.10
DISBURSEMENTS	
Administration \$30,925.64 Construction 3,439,926.12 Maintenance 4,377,243.84 Motor transport 184,297.54 Capital expenditures 130,655.21 Right-of-way 2,573.59 Liability damages 500.00	
Total	\$8,166,121.94
Total funds available September 30, 1921 Emergency Cash account balance	1,334,155.16 40,720.98
Auditor of State's highway fund balance	\$1,293,434.18

63-19930

RECEIPTS

, startman & M			
State Tax		\$2,213,184	30
Automobile license fees		2,305,312	
Inheritance tax		652,597	10
Depository interest, emergency cash account		233	
Truck rentals		13,182	
Sales, non-usable equipment and supplies		22,926	
Sales, plans and blue printing		829	
Refunds, account errors		2,732	
Balance Aetna Trust & Savings Co. September 30, 1921 (1		. 4,104	20
		908	00
fund)		908	ov
REIMBURSEMENTS			
REIMBORGEMENTS			
Federal aid\$1	.446,622 73		
County aid	5,267 89		
Freight (advanced)	47,567 60		
Trucks repair	2,308 55		
Right-of-way road No. 35	1,735 00		-
Postage and telephone (personal)	24 10		
Repair of transit	43 00		
Testing department charge	70 64	1 500 500	
Advancement (motor transport department)	. 126 50-	- 1,503,766	01
			
Total receipts	· ·	\$6,715,671	99
ADMINISTRATION			
ADMINISTRATION			
Commissioners' compensation		\$2.710	00
Commissioners' expenses			
Director's salary			
Director's expense			
Chief clerk's salary			
Clerical assistants and stenographers			
Postage			
Telephone and telegraph			
Stationery and printing supplies			
Miscellaneous supplies			63
Miscellaneous expense		79	24
Total	• • • • • • • • • • • • • • • • • • • •	\$30,925	64
CONSTRUCTION			
GENERAL:			
	\$3,333 33		
Acting chief engineer's salary			
Assistant engineers, surveyors and inspectors	92,597 98		
Traveling expense	17,412 97		
Stenographers and clerical salaries	20,598 80		
Testing bureau salaries	8,606 33		
Testing bureau expenses	8,293 46	•	
Blue printing	1,415 52		
Advertising	780 55		
Freight and express	267 24		
Supplies and miscellaneous expenses	2,405 40		
Highway commission construction	244 50		
_			
Total		\$155,956	08

\$94,133 27

CONTRACT PAYMENTS:			
Federal aid—roads\$			
Federal aid—bridges	240,077 75		
State aid—roads	20,813 00		
State aid—bridges	160,286 48		
Total contract payments		\$3,228,138	30
Freight payments (to be reimbursed by contractors)		39,025	23
County aid (to be reimbursed by counties)		16,806	51
Total construction		\$3,439,926	12
MAINTENANCE GENERAL:			
	04.000.00		
Engineer's salary	\$4,999 92		
Traveling expense	545 75		
Clerical assistants' and stenographers' salaries	10,914 51		
Office supplies	3,259 86		
Field assistant's salary	1,851 46		
Field assistant's expense	211 31		
General expense	309 94		
Freight, express and demurrage	5,476 40		
Construction department engineering	545 85		
Contract payments	56,734 95		
Advertising	159 50	•	
Workmen's compensation	1,446 27		
Miscellaneous	7,677 55		
· ·			

Total general

DISTRICT AND SUB-DISTRICT	District Engineer		District Superintendent		Pay Roll	
	Salary	Expenses	Salary	Expenses	Tay Iton	
Fort Wayne. Fort Wayne. Goshen. Kendaliville. Plymouth. Wabash.			\$1,725 00 1,500 00 1,650 00 1,229 83 1,575 00	\$31 21 146 83 228 43 180 26 214 97	\$77,596 23 89,592 70 126,403 40 91,124 00 99,842 10	
Greenfield. Anderson. Connersville. Greenfield. Indianapolis.			550 00 1,800 00 1,525 00	247 61 930 37 436 59	13,097 68 53,654 24 67,004 49 2,947 33	
Lebanon Muncie Noblesville Winchester Monticello			1,487 50 1,843 55 1,125 00 346 77	279 52 180 35 462 25 47 00	80,984 7: 47,320 42 36,222 14 6,771 99	
Crawfordsville Crown Point. Fowler Laporte Monticello. Rensselaer			1,662 89 1,751 61 1,712 50 1,717 73 1,800 00 1,600 00	984 82 276 57 1,281 53 216 31 539 40 120 57	117,416 18 33,922 27 34,755 93 37,872 03 102,174 13 30,170 20	
Seymour Aurora Columbus Martinsville New Albany Seymour			1,500 00 - 1,800 00 - 1,643 75 - 1,602 82 - 1,800 00	129 18 846 62 246 50 152 82 144 46	58,235 15 58,643 76 102,936 98 68,066 27 115,156 66	
			1,500 00 1,500 00 1,500 00 1,500 00 1,669 70 1,650 00	265 67 140 54 315 64 129 83 211 31	60,857 31 49,871 38 38,178 71 110,453 88 116,129 57	
General (Page 995) Total Percentage of Total	\$10,801 61 .26	\$3,564 03 .07	\$42,768 65 1.06	\$9,387 16 .23	\$1,927,402 00 47.26 -	

Distributed to costs prior to October, 1920.
Total Maintenance Disbursements.

DIVISION

Gravel	Stone	Bituminous Material	Gasoline and Oil	Tools and Light Hardware	Auto. Exp., Hauling and General Exp.	General Postings	Total
\$7,538 18 8,139 62 24,559 28 14,698 61 32,517 77	\$136,017 82 26,023 16 863 18 18,431 07 34,953 83	\$748 99 1,428 63 753 98 47 09 5,183 06	\$14,703 82 9,304 24 14,518 94 8,896 56 9,551 43	\$1,324 58 1,791 40 1,489 81 1,012 23 793 86	\$22,521 85 6,863 92 14,442 76 4,954 91 8,344 88		\$2,874 76 262,207 68 144,790 56 184,909 84 140,574 61 192,976 94
5,215 72 22,866 79 36,431 42	680 58 14,328 24	2,554 39	492 31 4,974 01 11,007 98	32 91 556 21 1,651 02	2,658 89 4,738 57 8,435 47		2,867 50 22,295 12 92,755 16 140,820 23
31,351 83 25,712 63 20,021 62 853 20	17, 176 45 33, 560 41 1, 813 32 3, 817 09	104 54 5,247 19	12,248 47 9,355 70 7,168 24 574 43	1,361 24 684 22 1,067 86 95 50	$\begin{array}{c} 9,464\ 07 \\ 11,877\ 05 \\ 2,461\ 83 \\ 1,452\ 32 \end{array}$		2,947 33 154,458 33 135,781 52 70,342 26 13,958 30
15,878 40 11,827 86 12,559 38 338 43	8,741 74 44,810 85 16,054 61 38,403 30 39,694 10 35,741 41	1,758 20	7,618 98 8,949 42 7,788 70 7,171 81 10,243 30 4,824 32	1,507 64 878 40 750 15 671 25 991 13 367 48	9,880 54 4,465 22 3,969 89 3,856 37 9,375 76 5,905 07		3,213 58 163,691 16 95,054 34 78,141 18 91,667 00 177,377 20 79,067 48
1,729 06 12,651 16 22,329 62 1,324 08 15,755 07	21,301 18 33,319 19 90,199 33 88,819 13 27,339 31	2, 670 72 379 12 1,772 03 796 84 1,867 92	4,655 47 9,182 66 9,954 99 7,271 09 14,140 70	657 23 1,631 61 1,613 05 1,559 17 4,549 23	17,457 85 28,056 21 57,772 79 35,498 91 28,999 41		2,702 5; 108,335 84 146,510 33 288,469 04 205,091 13 209,752 76
427 41 320 97 25,611 94 18,670 92 55,408 96	6,337 56 71,349 29 17,509 63 31,571 03 46,560 14	132 16 2,464 75 155 40	4,763 90 9,389 62 10,600 59 7,558 34 8,436 58	1,985 17 1,399 22 956 98 1,266 70 813 84	8,213 64 18,620 54 7,007 00 16,275 10 9,243 86		2,707 26 84,350 66 152,591 56 101,812 65 190,060 25 238,609 66
124,739 93 10.41	\$905,416 95 22.21	\$28,065 01 .69	\$235,346 60 5.77	\$33,459 09 .82	\$362,814 68 8,90	\$94,133 27 \$94,133 27 2,29	94,133 27 \$4,077,898 98

\$299,344 86 4,377,243 84

YEAR BOOK

MOTOR TRANSPORT

Salary of chief Clerical assistants Traveling expense Payroll Cars and trucks expense Tires and tubes Store room supplies Freight and express Light, heat, power, water, etc. Miscellaneous expense Gasoline and oil Advertising Workmen's compensation Total motor transport	1,723 416 23,393 82,086 14,774 7,211 41,347 2,731 3,815 4,167 93	12 08 15 78 50 18 53 44 89 96	\$184,297 54
CAPITAL EXPENDITURES			
General:			
Truck bodies	\$21,005	12	
Furniture and fixtures	2,320	83	
Construction department equipment	5,848		
Ford cars	7,232		
Lumber	944		
Electric wiring	398	00	
Total			\$37,749 12
10001			ψοι,ιπο 12
Maintenance (Road Equipment):			
Aurora	3,154	37	
Columbus	3,172	59	
Connersville	3,777	14	
Crawfordsville			
Crown Point	5,184		
Dale			
FowlerFt. Wayne			•
Goshen			
Greenfield			~
Kendallville			
Laporte			
Lebanon			
Martinsville	3,954	60	
Monticello		72	
Muncie			
New Albany			
Noblesville			
Paoli Plymouth	-		
Princeton			
Rensselaer			
Seymour			
Terre Haute	3,627	87	
Vincennes		70	
Wabash	3,464	73	
Total capital expenditures	•		92,906 09
m + 3			
Total			\$130,655 21

RIGHT-OF-WAY

State road No1, Jackson County	\$191 67	
	* · · ·	
State road No. 3, Hendricks County	124 00	
State road No. 4, Jackson County	112 25	
State road No. 13, Henry County	406 27	
State road No. 35, Howard County	1,739 40	
Total right-of-way		\$2,573 59
DAMAGES .		
Campbell vs. Wright		\$500 00
Total disbursements\$8,	166,121 94	

RECAPITULATION

CLASSIFICATION	Administra- Advertising tion	Advertising	Contract Payments	Labor and Material	County Aid Miscellaneous	Miscellaneous	Total
Administration Contruction Maintenance Motor Transport	\$30, 925 64 154, 931 03 40, 107 93 7, 356 93	:	\$780 55 \$3,228,382 80 159 50 56,734 95 93 62	\$4,280,241 46 176,846 99	\$16,806 51	\$39,025 23	\$30,925 64 3,439,926 12 4,377,243 84 184,297 54 130,655 21
Right-of-Way Liability Damages 500 00	200 00					2,573 59	2,573 59
Total	\$233,821 53	\$1,033 67	\$3,285,117 75	\$233,821 53 \$1,033 67 \$3,285,117 75 \$4,457,088 45		\$16,806 51 \$172,254 03	\$8,166,121 94

Other Classifications To be reimbursed: County Aid	Cars and trucks purchased. Maintenance equipment. Miscellaneous equipment.	, to a real real
Supervision. \$233, 821 53 Administration. \$233, 821 53 Advertising. 1,033 67	\$234,855 20 Construction and Maintenance Construction and Construction a	\$7,742,206 20

\$55,831 74 28,837 26 92,906 09 8,911 84 2,573 59

Supervision charges—2.87% of total \$8,166,121.94 or 3.16% of Construction and Maintenance, \$7,742,206.20

REPORT OF THE DIVISION OF CONSTRUCTION

C. GRAY, Chief Engineer, WM. J. TITUS, Bridge Engineer.

The division of construction is divided into four departments, including the department of bridges; the department of plans, survey and estimates; the testing department; and the road department. The department of plans, surveys and estimates is required to make all survevs, prepare all plans and estimates, keep the payrolls and discharge the routine office work; the department of bridges is responsible for the designing, estimating and supervising of the construction of all bridges: the department of roads has charge of the construction of all federal. county and state aid roads; and the testing department is required to test all material which enters into the construction of roads and bridges.

SUMMARY FEDERAL AID PROJECT DATA SEPTEMBER 30, 1921

Dani Ma	PROJECT S	STATEMENT	Agree	MENTS	Paid	Final
Proj. No.	Total Estimate	F. A. Approved	Total Amount	Federal Aid	To Date	Amount Paid
1** 2** 3** 4** 5** 6 7 8 9 10	\$156, 912 44 68, 200 00 10, 339 27 30, 759 00	78,456 23 7,750 00 5,169 44 15,379 50	\$278,826 77 327,276 18 360,491 41 1,324,333 58 197,040 69 226,571 35 319,552 62 685,504 19 145,231 20	\$129, 632 57 153, 851 06 172, 758 02 622, 970 81 98, 520 34 113, 285 67 159, 776 31 342, 752 09 72, 615 60	\$107, 423 70 130, 573 49 170, 915 78 126, 479 49 66, 212 67 95, 464 07 128, 140 97 95, 889 39 66, 713 24	\$93,633 99 18,626 22
12** 13 14 15 16 17 18 20**	82,486 03 96,194 52 754,364 45 536,859 34	41,243 02 48,097 26 377,182 23 258,617 17	231,415 36 1,301,380 69 162,698 91 630,148 10 1,343,437 92 1,670,631 02 386,311 98	115,707 68 650,690 33 81,349 45 277,700 00 660,390 68 533,481 67 193,155 99	93, 457 97 87, 413 95 30, 369 26 325, 745 10 139, 281 92 92, 197 57	39,539 25 18,700 00
21 24 25 28 29* 30	1,224,367 00 1,002,485 00 156,836 74 544,500 00 61,351 84	576, 100 00 501, 242 50 78, 418 36 272, 250 00 18, 746 51	183, 562 31 269, 191 03 29, 948 05	91,781 15 131,595 51 14,974 02		4,843 70
Total	\$4,725,655 63	\$2,259,905 71	\$9,473,553 36	\$4,619,988 95	\$1,756,278 57	\$175,343 2

Total amount of Project Statements approved. Total Agreements under Federal Aid. Final Amount paid.	4,619,988 95
Total amount obligated.	\$6,782,987 88

Total amount of Federal aid appropriation \$7,415,292 61 Less total amount obligated..... 6,782,987 88 \$632,304 73

Amount not ob'igated . . .

^{*}Not yet approved by Secretary.
**Final Estimates paid Contractors.

FEDERAL AID ROADS—PROGRESS

Proj. No.	Section	County	Туре	Contract Awarded	Total Miles	Miles Completed to Sept. 30, 1920	Mi'es Completed from Sept. 30, 1920 to Sept. 30, 1921	Total Miles Com- leted
1 2 3 4	A & B A & B	Elkhart St. Joseph Marion-Johnson Putnam-Hendricks	Concrete Bit. Conc. Bit. Conc. Concrete	7-15-19 8-4-19	6.355 4.684 7.307 8.103	3.350 4.684 3.450 4.800	3.005 3.857 3.303	6.355 4.684 7.307 8.103
5 6 6 7 8	A C	WayneVigo-ClayPutnamMarion	Concrete Concrete Grading Concrete	7-15-19 8-4-19 7-26-21 7-15-19	1.489 7.370 10.994 6.114	1.489 1.330	6.011 4.764	1.489 7.341 6.114
8 9 10 11 12	A A A	Marion-Hamilton Johnson Marshall St. Joseph-Elkhart Jackson	Concrete Concrete Concrete Concrete	8-4-19 9-4-19 8-4-19 8-4-19 7-15-19	5.765 8.452 8.398 3.507 2.463	1.410 3.650 0.650 3.450 2.450	4.355 4.802 6.738 0.057 0.013	5.765 8.452 7.388 3.507 2.463
12 13 14 16	B A A	Jackson Hancock Vigo Lawrence	Concrete Concrete Concrete Concrete	8-4-19 8-4-19 9-4-19 9-4-19	6.219 8.854 4.661 12.436	2.350 0.820 0.340 0.320	3.776 7.184 2.405 6.953	6.126 8.004 2.745 7.273
16 16 16 16	B C E F	Warrick. Warrick. Spencer-Dubois. Dubois.	Concrete Grading Grading Grading	9-4-19 7-26-21 7-28-20 7-28-20	10.275 10.654 7.954 9.042		6.635	6.63
17 18 18 20 30	A A B	LakeTipton-HowardHowardRipley	Concrete Concrete Concrete	9-4-19 9-4-19 9-4-19 11-29-19 9-19-21	11.382 7.000 2.982 0.977	0.480	11.382 4.252 2.982 0.027	11.382 4.732 2.982 0.973
Total.		Noble.	Concrete	9-19-21	0.913 174.350	37.323	82.501	119.82

FEDERAL AID ROADS—ENGINEERING October 1, 1920, to September 30, 1921

		Cent		2.32	33	51	98	94	33	22	91	9	20	53	94	28	99	08	91	:	:	12	22	23	74	0.	_	:	1.67
	P	<u>ಲ</u> ೆ		6.1		-	0	-	H	-	-	-	-	_	=	-	67	-	-	:	:	س	2	-	-	1.70	10	:	=
ECTS	E	Lotal								444		888	794							30 20									\$45,276 0
EABLE TO PRO.	Inspecting	Expense		\$523 76																						127 77			\$5,332 85
ENJINEBRING COSTS CHARGEABLE TO PROJECTS	Engineering Inspecting	Salary																		14 29									\$38, 286 43
FNJINEERI	nd Plans	Expense			72 88				:	:	1 28							170 28					:	:	:	:	:		\$197 44
	Surveys and Plans	Salary		\$32 61											109 80			214 41					70 38						\$1,459 37
Total	Estimates	Fiscal Year		\$113,621 82	481	229	988	258	992	458	011	258	305	094	851	724	694	817	603		:	211	731	862	449	85,748 80	503		\$2,704,985 75
Final	Estimate Poid	raid	;	\$250,886 42	900	823		***************************************					114,419 50																\$1,054,102 61
	Contract Price		į	\$248,874 20	430	GAN	777	896	127	973	397	419	088	524	377	063	808	355	497	307		934	755	156	363	868	49,690 37	2118	\$4,904,103 72
	Type			Concrete	Bit. Cone	Concrete	Concrete	Grading	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Grading		Crading	Grading	Concrete	Concrete	Concrete	Concrete	Concrete	
	Sec.			: 0	A & & & & & & & & & & & & & & & & & & &	8-	বং	ت		K.	¥.	¥	:	V.	x	¥		41	m	01	<u>ا</u>	হা।	£1.	۷.	ব	20	:		
	Proj.		,	_ <		40	9	91	_ (×0	6	01	11	12	12	13	14	16	16	91	16	97	91	17	2	200	36	30	Total.

YEAR BOOK

FEDERAL AID ROADS, PLANS AND SURVEYS

October 1, 1920 to September 30, 1921

Proj.			Miles	S	urvey Costs		Miles Plans	Plans	Cost
No.	Sec.	County	Surveyed	Salary	Expense	Per Mile	Prepared	Total	Per Mile
8 16 16 16 16 21 21 24 24 24 24 16 10 30	B D J K L D E A B C G C	Marion. Spencer Dubois. Dubois. Vanderburgh Scott. Scott. Hamilton Hamilton Dubois-Orange St. Joseph Noble. Total	7.070			52.90	4.682 12.043 8.928	21.00	\$87.08

STATE AID ROADS—ENGINEERING

October 1, 1920, to September 30, 1921

				Final	Total Paid	Engine	ering Costs	Chargea	ble to Pro	jects
Proj. No.	Sec.	Type	Contract Price	Estimate Faid	Contractor in	Surveys	Engin Inspe		Total	Per
					Fiscal Year	Plans	Salary	Expense	-	Cent.
1 10 34	H & I C-1	Conc. Str. Conc.	24,433 70	\$26,582 02			\$46 77 494 54	\$20 50 71 24	\$67 27 565 78	.25 5.47
		Total	56,856 35	\$26,582 02	\$15,480 27		\$541 31	\$91 74	\$633 05	4.08

STATE AID ROADS—PLANS AND SURVEYS

October 1, 1920, to September 30, 9121

Proj.		County	Miles Surveyed	Surve	Costs		Survey Plans	Plans (Cost
No.	Sec.	County	Fiscal Year	Salary	Expense	Per Mile	Prepared	Total	Per Mile
10 14 17 34 39 43 30	C F A	Vanderburgh-Gibson. Perry and Crawford . Noble and Dekalb . Fayette . Franklin . Laporte . Noble .	51.027 .0965 9.395 1.931 .913 63.362	\$73 28 3,786 30 667 03 340 08 4 00 \$4,870 69	\$137 76 3,190 56 8 78 438 59 71 53 52 56 \$3,899 78	\$117 13 90 98 117 68 213 15 61 95	.0965 1.931 .913	\$407 42 1,780 88 41 29 67 12 173 77 211 12 144 51 \$2,826 11	124 42 695 54 109 33 158 28

COUNTY AID ROADS—PROGRESS REPORT

Proj.	Sec.	County	. Type	Length	Contract Awarded	Per Cent Completed Sept. 30, 1920	Completed Sept. 30, 1920 to Sept. 30, 1921	Total PerCent Com- pleted
1 2 3 3 4 4 4 4 4 5 6 6 7 16 17 18 19 1 22 23 23 24 4 4 4 7 5 5 6 6 5 6 8 6 1 6 3 6 6 6 6 7 7 7 1 7 7 7 7 7 7 7 7 7 7 7 7	A B A B	Tippecanoe. Tippecanoe. Kosciusko. Decatur. Kosciusko. Decatur. Kosciusko. Howard. Howard. Marion. Marion. Marion. Marion. Marion. Jackson. Delaware. Marshall. Marshall. Marshall. Marshall. Morroe. Morgan. Hamilton. Hamilton. Noble.	Brick Brick Concrete Concrete Concrete Concrete Concrete Concrete Concrete Bit. Con. 2-C-Con. 1-C-Con. 2-C-Con. 1-C-Con. 2-C-Con. 2-C-Con. 2-C-Con. 2-C-Con. 1-C-Con. 2-C-Con. 2-C-C-Con. 2-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C-C	2.39 2.80 .76 .21 1.96 2.66 2.66 2.69 1.91 2.76 1.60 2 2 1.70 7.25 1 2.20 4.50 2.173 1.51 1.61 1.60 2.51 .775 8.98 2.53 3.44 4.50 3.44 4.50 4.50 5.61 6.61	6-17-17 6-17-18 4-26-19 5-6-19 5-6-19 2-10-19 3-29-19 4-8-19 7-22-19 9-27-19 In litigation 11-4-19 11-29-19 6-30-19 4-6-20 1-6-20 9-27-19 9-27-19 4-8-21 4-8-21 4-8-21 4-8-21 4-8-21 Not let. Not let. Not let. Not let.	100 45.22 100 100 100 100 100 100 100 1	60.33 49.04 60.49 100 100 96.2 75.93 70.13 60.96 Not started Not started Not started 100 100 50.3	100 100 100 100 100 100 100 100 100 100

COUNTY AID ROADS-ENGINEERING

Proj.	Sec.	County	Type	Contract Price	Date Completed	Inspect	ion
i ioj.			-01-0		Completed	Total Cost	Per Cent
1		Tippecanoe	Brick	\$118,887 00	6- 5-20	\$2,175 33	1.829
2		Tippecanoe	Brick	163,829 68	7-26-21	2,839 48	1.733
3	A	Kosciusko	Concrete	10,350 00	10-13-19	90 96	1.74
3	В	Kosciusko	Concrete	13,096 00	10-13-19	190 32	1.45
4	A	Decatur	Concrete	7,695 00	9-26-19	295 14	3.84
4 5	В	Decatur Kosciusko	Concrete	62,684 95 45,700 00	9-24-20	1,394 29	2.90
6		Howard	Concrete	64,300 00	10-13-19 6-23-20	737 83 1,630 83	2.34 2.53
7		Howard	Bit. Conc	49, 195 00	7-16-20	1,030 83	2.534
16		Marion	2-C-Conc	94,420 00	7-31-20	1,650 55	1.763
17		Marion	2-C-Conc	97,000 00	Not completed		1.700
18		Marion	1-C-Conc	70,400 00	7-27-20	1,342 92	1.907
19		Marion	2-C-Conc	106,240 00	Not completed		
21		Lake	Concrete	55,503 00	10- 4-19	398 28	.8218
22 23		Clinton	Concrete	39,395 00 48,450 00	11-19-19 10-27-19	606 23 552 85	1.58
28 28		Delaware	Bit. Mac	33,000 00	8-10-21	1,308 00	1.14 3.94
29		Delaware	Bit. Mac	14,700 00	Not completed		3.94
33		Marshall	Asphalt	243,750 00	In litigation		
34		Marshall	Asp. Mac	65,750 00	7-25-21	1,204 65	1.83
35		Marshall	Asp. Mac	30,250 00	8- 6-21	593 95	1.96
39		Ripley	Concrete	173,461 31	9-12-21	2,836 21	1.63
43		Decatur	Concrete	86,643 22	8-10-21	1,562 85	1.80
44 47		Monroe Morgan	W. B. Mac Tarvia Mac	16,216 00 16,730 00	9-11-20 Not completed	430 46	2.619
49		Hamilton	Concrete	75,000 00	Not completed		
50		Hamilton	Concrete	53,000 00	7-19-21	1,061 05	2.00
54	A	Noble	Concrete	97,170 00	Not started		
54	В	Noble	Concrete	29,551 00	Not started		
55		Noble	Concrete and Gravel	153,319 00	Not started		
56	A	Noble	Concrete	84,731 00	Not completed		
56 58	В	NobleLake	Concrete	82,227 00 301,270 00	Not started 9- 9-21	0 204 04	
61		Monroe	Asphalt	23,777 00	6-30-21	2,664 64 668 83	2.81
63		Clinton	Concrete	145,078 68	Not completed		2.01
64		Vanderburgh	Asphalt		Not started		
65		Vanderburgh	Asphalt		Not started		
66		Vanderburgh	Concrete		Not started		
67		Vanderburgh	Asphalt		Not started		
70 71		Monroe	W. B. Mac.	23,520 00	Not completed		
71 72		Clinton	Asp. Mac Brick	72,290 00 147,843 00	Not completed Not completed		
77		Clinton	Concrete	38,000 00	Not completed		
• •			00204000,11111111		2.00 completed		
		Total		\$3,054,422 84			

GENERAL ENGINEERING—NOT CHARGEABLE TO PROJECTS

October 1, 1920, to September 30, 1921

	Salary	Expense	Total
Acting chief engineer Road engineer and assistants Office engineer and assistants Bridge engineer and assistants Bridge engineer and assistants Testing engineer and assistants Office clerks and stenographers C. A. general engineering General engineering expense Miscellaneous	1,620 12	\$793 46 995 37 371 09 231 87 1 50 1,763 38 273 21	\$4,446 79 3,734 15 6,186 46 11,555 26 5,148 38 1,400 00 1,621 62 1,763 38 273 21
Total			\$36,129 2

DISTRIBUTION OF TESTING EXPENSES Federal and State Aid Roads

Project	County	Type	Total Con- struction		COST OF TESTING	Testing	
Sec.			Fiscal Year	Expense	Salary	Total	Percent
	Bikhart	Concrete	\$113.621.82		\$86 43		0.23
	St. Joseph.	Asphaltic Concrete	Repairs				:
4 4	Marion and Johnson.	Asphaltic Concrete		2,671 11	33 75 43 75	2,704 86	2.15
W.	Vigo and Clay.		191,480 30				. 24
	Futnam	Grading					
<u>:</u>	Marion and Hamilton	Concrete		89 92 120 12	199 51	319 63	222
\ -	Johnson	Concrete					. 24
	Marshall	Concrete	258				. 22
:	St. Joseph and Elkhart	Concrete	33				1.98
	Jackson	Concrete	4.2				45.
Q 4	Hannak	Concrete	76				07.
	Vigo	Concrete	16				93
A	Lawrence	Concrete			249 87		. 19
	Warrick	Concrete	03				.21
	Spencer and Dubois	Grading & Structure.	= 2				.07
_	- Dubous	Grading & Structure.	31				.03
	Lake	Concrete	200				.08
	Howard	Congrete	40				95.
	Ripley	Concrete	60				4.64
	Hancock	Concrete	39				
H & I	Sullivan	Structures	06	181	4 59	6 40	.05
	Total		\$2,721,615 05	\$5,647 12	\$2,653 04	300	. 304
	Pro rata share of general operating expenseTotal					4,935 28 \$13,235 44	485
_							

COUNTY AID ROADS—DISTRIBUTION OF TESTING EXPENSES

Proj. No.	Sec.	County	Type	Total Conctruction						
				Estimates for Fiscal Year	Expense	Salary	Total	Per Cent		
2 4 17 19 28 34 35 39 43 44 49 50 53 58 63 71	В	Pro rata s	Brick. Concrete. 2 course concrete. 2 course concrete. Bituminous Macadam Asphalt. Asphalt. Concrete. Water Bound Macadam Concrete. Gravel. Asphalt. Concrete. Asphalt. Asphalt. Concrete. Gravel. Asphalt. Concrete. Asphalt. Concrete. Asphalt. Concrete. Asphalt. Concrete. Asphalt. Concrete. Asphalt. Asphalt. Concrete. Asphalt Macadam	costs	33 08 651 64 271 43 59 69 40 09 4 75 4 54 56 42 153 85 3 41 \$\$1,368 23\$		1,063 61			

SUMMARY

CONSTRUCTION

	Total Number of Con- tracts	Total Miles Under Contract	Miles Laid in 1918-1920	Miles Laid in 1921	Total Amount Laid to Date	Total Amount of Contracts	Tctal Estimates to Date	Per Cent Com- pleted
Federal aid State aid County aid Total	26 3 38 	174.350 .486 91.720 266.556	37.323 .250 37.790 69.363	82.501 140 37.550 120.191	.390 69.340	\$5,134,113 45 56,856 35 3,016,422 84 \$8,207,392 64	\$4,433,073 73 36,923 27 1,953,804 13 \$6,423,741 13	86 65 64 78

ENGINEERING

	mount of mates	Engineering a	otal and Inspection d Expense	Percent Engr. and Cost	Insp.	Gener Enginee 1921	ring
1918-1920	1921	1918-1920	1921	1918-1920	1921	Amount	Per Cent
\$1,728,087 98	\$2,704,985 75	\$81,422 63	\$43,619 26	4.7	1.61	\$24,573 99	.9

PLANS AND SURVEYS

	Total Mile	s Surveyed	Total Miles	Plans Made
	1918-1920	1921	1918-1920	1921
Federal aid. State aid. County aid.	239.534 103.207	13.342 74.096 3.890	152.291 16.265	44.495 25.847 3.890
Total	342.741	91.328	168.556	74.232

FEDERAL AID BRIDGES-PROGRESS

Remarks	Comp. 6-24-21 Comp. 9-1-20. Comp. 10-15-20. Comp. 10-15-21. Comp. 12-31-21. Comp. 10-15-20. Comp. 10-15-20. Frogress, no payments. Frogress, no payments. Frogress, no payments. Frogress, no payments. Comp. 3-31-21. Comp. 5-10-21. Comp. 9-31-21. Comp. 9-1-21. Comp. 13-12. Comp. 12-15-20. Comp. 12-12. Fabrication Com. not paid for. Progress, no payments. Frogress, no payment made. Complete.no final payment made. Comp. no final payment made.
Per Cent Comp- pleted	1000 10000 1
TOTAL VALUE WORK DON 3 WORK COm. Fiscal Year to to to Sept. 30, '20 Sept. 30, '21	8, 555 878 8, 555 878 8, 555 878 8, 555 878 8, 555 878 879 94, 880 94, 880 94, 880 94, 880 94, 880 94, 880 94, 880 94, 880 94, 880 95,
TOTAL VALUE WORK DON 3 Work Com. Fiscal Year to Ending to Sept. 30, 20 Sept. 30, 21	\$6, 207, 26 7, 962, 08 1, 027, 80 5, 750, 09 6, 799, 96 6, 799, 96 5, 211, 55 7, 274, 76
Contract	44444444 244444444 244444444 244444444
County	Elkhart Marion Putnam Johnson Johnson Johnson Johnson Johnson Johnson Johnson Johnson Harshall Jackson Harshall Henry
Type Awarded	Concrete Girder Bridge 2 span Concrete Girder Bridge 3 span Concrete Girder Bridge Concrete Girder Bridge 2 span Concrete Bridge 3 span Concrete Bridge 3 span Concrete Bridge 5 span Concrete Bridge 5 span Concrete Bridge 5 span Concrete Arch Bridge 5 span Concrete Arch Bridge 5 span Concrete Bridge 5 span Concrete Bridge 5 span Concrete Bridge 5 span Concrete Bridge 6 concrete Arch Bridge 7 span Concrete Spridge 7 span Conc
Str.	471.821.138.48.88.48.88.48.48.88.48.48.48.48.48.48
Sec.	MMAAAAM MOODAAA AMAMMOOOOO AAAAMMM
Proj.	

FEDERAL AID BRIDGES-PROGRESS-Continued

Remorte	ACTHOLDS.	Comp. 12-1-20. Progress no payments. Progress no payments. Comp. 5-15-21. Comp. 5-14-20. Comp. 12-14-20. Progress, no payments. Progress, no payments. Progress, no payments. Progress, no payments. Comp. 6-30-21. Comp. 10-1-20. Comp. 10-1-20. Progress, no payments.
Per Cent	Comp- pleted	100 100 100 100 100 100 100 100 100 100
TOTAL VALUE WORK DONE	Work Com. Fiscal Year to Ending Sept. 30, 20 Sept. 30, 21	\$11,802 90 13,967 41 14,154 48 6,131 80 13,418 88 2,226 00 2,226 00 19,349 00 19,349 00 19,349 00
Toral V.	Work Com to Sept. 30,'2	\$3,081.24 4,787.14 9,687.52
Contract		7-28-20 6-2-21 6-2-20 6-2-20 6-2-20 6-21-21 6-
County	farmo	Hendricks Hendricks Hendricks Warrick Warrick Warrick Warrick Warrick Dubois Dubois Dubois Dubois Tipton Tipton Tipton Hamilon Mamil
Tyma Awaydad	The tamping	Substructure Repairs Concrete slab Bridge Arch Bridge Concrete Grider Bridge Concrete Grider Bridge Concrete Grider Bridge Sleel Truss Bridge Stan Concrete Grider Bridge Span Concrete Grider Bridge Stan Concrete Grider Bridge Stell Truss and Concrete Box Concrete Grider Bridge Span Concrete Grider Bridge Span Concrete Bridge Span Concrete Bridge Span Concrete Bridge
Str.		\$4488155558834A867441
S.		ппппппппппппппппппппппппппппппппппппппп
Pro:		PAPAPAPAPAPAPAPAPAPAPAPAPAPAPAPAPAPAPA

FEDERAL AID BRIDGES—ENGINEERING Fiscal Year Ending September 30, 1921

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	E-4-E	All Engineer-	Sept. 30, 1921				225 40 795 62 491 89 1,150 96			\$1,739 40 2,262 14		\$1,267 81	049 35 1.198 93	560 72 716 23	
ractures			Engineering		\$310 50 15 22 16 00 389 48		49 33 26 49 60 230 69			\$768 69 1,370 67		\$119 91 871 88 971 88			
argeable to St	per 30, 1921		Expense		\$102 13 66 1 00 42 88	35 04 155 01 23 88	5 80			\$275 53 279 81		\$29 41 170 83			
ering Costs Ch	Engineering Costs Chargeable to Structures Fiscal Year Ending September 30, 1921	nding September	s Inspection	Salary		\$80 32 9 53 10 00 173 51		12 64 26 49 173 15			\$443 23 1,011 35		\$87 73		
Engine		nd Plans	Expense							* : :				\$27 23	
		Surveys and Plans	Salary	il 2, 1920	\$128 05 5 03 5 00 173 09	104 00 63 21	30 89	21 :	15, 1920	\$49 93 79 51	2, 1920	\$2 77 .86 72			
ayments	Total Payments Prior to Sept. 30, 1921		1761 00° 1071	Contracts Awarded April 2, 1920	\$4,615 81* 6,207 26* 8,560 86* 8,555 89*	13,294 60* 9,980 94* 5,832 09*	2, 198 98* 8, 678 67* 5, 211 55* 16, 611 46*	3, 150 52* 4, 787 14*	Contracts awarded April 15,	\$15,938 62* 19,349 85*	Contracts awarded June 2, 1920	\$7,488 58 12,570 67	6, 131 80* 12,076 31	4,849 88*	
Contract Payments		Ending Sept 30 1091		Co		12, 472 36 9, 980 94 1, 232 02		685 52 950 15	Cont	\$14,353 37 19,349 85	COI	\$2,048 61 12,570 67	6, 131 80 12,076 31	4,849 88 1,841 09	
	Contract			\$4, 604 69 6, 228 45 7, 864 40 1, 297 00	12,153 98 9,918 05 5,303 78	2,396 28 7,766 40 4,495 10 16,454 96	5, 052 60 4, 878 50		\$14,940 27 17,209 19		\$9,979 69 14,985 50				
	Structure	Structure No.			17 17 12 12	15 16 34	8 0 4 4 1	17		43		25.28	72	73	
	. Sold in the second se				BB.	444	4444·	44		A		MM	mm	В	
	,	rroject			A A A A	444	F. A. 10 F. A. 12 F. A. 13	A.A.		F. A. 11 F. A. 17		F. A. 16	i e e	A.A.	

Structures marked (*) indicate contract completed.

FEDERAL AID BRIDGES-ENGINEERING-Continued

	E Total	All Engineer-	Sept. 30, 1921		\$786 05		\$368 85 1,866 92		\$409 87 351 111 311 112 314 142 318 142 313 59 66 712 15 66 712 15 66 712 15 66 712 15 66 712 15 722 15 823 829 1,099 13 822 825 822 825 822 825 822 825 823 825 823 825 823 825 825 br>825 825 825 825 825 825 825 825
ructures		Totol	Engineering		\$653 79		\$187 59 1,007 91		\$312 77 279 14 270 14 270 14 270 14 270 14 270 14 270 14 270 18 270 18 2
Engineering Costs Chargeable to Structures	nber 30, 1921	tion	Expense		\$17 49		\$7 93 132 00		\$\$ 1711 1711 18831771 193771 193771 19452
ering Costs Ch	Fiscal Year Ending September 30, 1921	Inspection	Salary		\$458 49		\$19 85 812 01		\$27 92 93 93 94 95 95 95 95 95 95 95 95 95 95 95 95 95
Engine	Fiscal Year	nd Plans	Expense						\$38 02 24 43 24 43 1 02 45 92 13 82 6 00 6 87
		Surveys and Plans	Salary	28, 1920	\$177 81	r 29, 1920	\$159 81 63 90	21, 1921	\$224 1732 294 294 294 294 294 294 294 294 295 295 295 295 295 295 295 295 295 295
ayments	Total Daymonts	Prior to	ocho: 00, 1021	Contracts awarded July 28, 1920	\$11,802 90*	Contracts awarded October 29, 1920	\$4,523 67* 55,944 73*	Contracts awarded June 21, 1921	\$2,803 32 5,863 34 1,226 71 1,226 71 5,332 13 283 95 283 95 284 95 1,79 80* 3,487 78 3,487 78 3,487 78 3,487 78 4,79 39 1,589 39 1,589 39
Contract Payments	Fisos Voor	Ending Sept 30 1921	ocho: 00, 101	Co	\$11,802 90	Cont	\$4,523 67 55,944 73	Co	\$2,803 32 5,846 34 1,226 71 1,226 71 5,332 13 295 497 4,179 80 3,487 71 3,988 35 1,789 39 1,589 39 1,589 39 2,003 40
	Contract				\$11,989 20		\$4,739 38 57,334 12		\$11.457 12 3.165 80 3.165 80 3.615 83 5.840 83 13.602 22 13.602 22 13.602 22 13.602 22 13.602 22 13.602 22 13.602 22 13.602 22 13.602 22 1.603 05 1.603 05 1
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\$984 59 208 73 208 73 109 01 230 63 396 05 98 14 372 39 154 14	t Awarded	11 10 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Federal Aid Contracts Not Awarded	
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FEDERAL AID BRIDGES-ENGINEERING-Continued

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Contract Payments
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Federal Aid Contracts Not Awarded—Continued
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STATE AID BRIDGES—ENGINEERING Fiscal Year Ending September 30, 1921

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Contract Payments Engineering Costs Chargeable to Structures	Fiscal Year Ending September 30, 1921	Prior to Surveys and Plans Inspection		Contracts awarded July 28, 1920	8,661 99 878,661 99 8267 27 87 80 81,559 07 8142 88 81,977 02 83,401 26	Contracts awarded August 24, 1920	2,873 05 2,573 05* 12,899 43* 213 50 640 64 62 256 88 1,111 02 1.183 85 2,573 05* 142 28	Contracts awarded August 29, 1920	7,712 23 7,712 23* 200 93 262 49 69 58 533 00 538 00 1,256 99 1,585 99 1,585 67* 365 36 36 36 36 36 36 36 36 36 36 36 36 36	Contracts awarded June 23, 1920	\$19 108 00*
Engin	Fiscal Year	and Plans	Expense		8.7				_ : : : : :		
		Surveys	Salary	28, 1920		, 1920	213	st 29, 1920	200 365 365 555 68	23, 1920	
ayments	Total Payments Prior to Sept. 30, 1921		Sept. 30, 1921 -			s awarded August 24	12,899 43* 2,573 05*	racts awarded Augu	7,712 23* 9,585 69* 11,585 67* 1,805 13* 1,241 20*	tracts awarded June	\$19,108 00*
Contract F	_	Fiscal Year Finding Sept. 30, 1921		\$78,661 99	Contracts	12,899 43 2,573 05	Contr	7,712 23 9,585 99 11,585 67 1,805 13 1,241 20	Coni	\$19,108 00	
	Contract Price			Price			12,792 68 2,573 05		7,899 05 10,067 51 11,503 12 1,805 13 1,241 20		\$19, 108 00
	Structure No.				14		.6314		4.28.00		11
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	Proioct	nafort		,	S. A. 34		S. A. 21 S. A. 29		S. A. 7 S. S. A. 11 S. S. A. 20 S. A. 29		S. A. 9

STATE AID BRIDGES-ENGINEERING-Continued

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	Total	All Engineer-	Sept. 30, 1921		\$97 87 70 03 70 03 53 63 63 63 63 63 63 63 63 64 78 158 17 62 69 69 64 64 67 72		\$294 13 504 07 274 77 274 77 501 98 190 38		\$247 06 182 06 70 53 47 05 61 37
Structures		Total	Engineering		\$97 87 70 03 79 33 539 09 154 78 158 17 279 09		\$294 13 504 07 274 77 501 98 190 38 189 63		\$247 06 152 37 70 53 47 05 61 37
Engineering Costs Chargeable to Structures	Fiscal Year Ending September 30, 1921	Inspection	Expense		\$26 66 46 16 4 00 5 00 5 94 58 43		\$5 51 \$2 50 6 48 75		\$6.59
ineering Costs	r Ending Sept	Ins	Salary		\$44 40 34 36 310 77 14 59 18 63 184 86 213 97		\$46 66 22 03 12 34 10 40 9 98		
Eng	Fiscal Yea	Surveys and Plans	Expense		\$7 55 3 15 15 93 16 53 6 38 6 60		\$10 11 53 81 128 27 42 24 11 61		\$8 11 5 00 3 95 8 28
		Survey	Salary	21, 1921	19 26 34 52 63 40 165 63 129 81 71 29 147 72	t 30, 1921	\$284 02 398 09 230 53 440 92 146 64 168 04	oer 19, 1921	\$232 36 152 37 65 53 43 10 53 17
Contract Payments	Total Payments Prior to Sept. 30, 1921		Dept. 00, 1921	Contracts awarded June 21, 1921	\$5,014 81* 341 87 1,870 96 637 47	Contracts awarded August 30, 1921		Contracts awarded September 19, 1921	
Contract 1	Elon Von	Fiscal Tear Finding Sept. 30, 1921			\$5,014.81 341.87 1,870.96 637.47	Con		Contr	
Contract			\$5,084 80 4,303 17 . Road Department. 4,816 75 5,669 78 2,115 28 1,819 53		\$5,410 00 19,314 84 10,482 40 16,472 19 9,370 86 6,204 68		\$5 583 25 16,607 44 4,367 56 1,106 75 1,106 75		
	Structure No.			29 24 Handled by 1 16 16 17 19		228 118 217 317		12 6 88 87 88	
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		rroject			\$		S.S.S.S.S. S.		8.8.8.8.8 A. A. A

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77 9 7 9 7 12 13 14	A 6.							102 16	102 16
7.7 6 14 6 8.4 6 14 6 8.4 9.5 1.4 9.5 9.5 9.5 1.4 9.5 9	36		 					01001	01
7.8 6 44 9 6 44 9 6 44 9 6 44 9 6 14 9 6 14 9 6 14 9 6 14 9 6 14 9 6 14 9 6 14 16 08 9 9 90 16 08 9 16 08 16 08 9 16 08 16 08 9 16 08 16 08 16 08 16 08 16 08 16 08 16 08 16 08 16 08 18 08 <th>A. b D</th> <th></th> <th> </th> <th></th> <th></th> <th></th> <th></th> <th>12 12</th> <th>12 12</th>	A. b D		 					12 12	12 12
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881 882 883 884 885 885 886 887 888 889 880 880 881 882 883 884 885 886 887 888 889 880 881 882 883 884 885 886 887 888 889 880 881 882 883 884 885 886 887 887 888 889 881 884 884 885 886 887 887 884 884 884 884 884 884 884 884 884 884 884 884 884 884 884 </td <td></td> <td></td> <td> </td> <td></td> <td></td> <td></td> <td></td> <td>2007</td> <td>700</td>			 					2007	700
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75 245 29 27 25 88 22 29 88 22 29 88 22 29 88 22 29 88 22 29 88 22 39 88 22 39 88 22 39 39 34 44	C 2 4							10 94	10 96
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56 50 50 50 497 497 918								100	100
85 86 41 145 77 24 144 37 26 27 26 60 60 60 34 114 37 26 28 11 87 28 11 19 81 14 37 10 81 14 37 10 81 10 81 11 81 11 81 11 81 11 81 11 81 11 81 11 82	A. 13 B							14 33	14 33
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41 41 42 43 44 44 45 45 473 74 75 75 75 75 75 75 75 75 75 75 75 75 75	70 4							104 11	101
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NOTE—Payments to the amount of \$9,307.12 on bridge contracts under supervision of Road Department not included in the above.

STATE AID BRIDGES-PROGRESS

Remarks .	Comp. 7-7-21. Comp. 4-10-21. Comp. 4-10-21. Comp. 6-14-21. Comp. 12-15-20. Progress but no payments. Comp. 6-18-21. Progress but no payments. Pabrication completed but not paid for. Progress but no payments. Progress but no payments. Progress but no payments. Progress but no payments. Comp. 7-27-21. Progress but no payments. Progress but no payments. Comp. 9-10-20. Comp. 9-1-21. Final payment not made. Comp. 9-30-21. Final payment on made. Comp. 9-30-21. Final payments. Progress made but no payments.
Per- cent Com-	100 100 100 100 100 100 100 100 100 100
TOTAL VALUE WORK DONE Work Comp. Fiscal Year to Sept. 30, '20 Sept. 30,'21	\$5,014 81 7,712 83 9,585 99 19,108 00 11,585 67 879 85 1,805 13 1,805 13 1,809 43 1,870 96 708 00 87,402 21
Total Valu Work Comp. to Sept. 30, '20	Handled by
Contract	10-29-20 10-20 10-20
County	Knox. Cass Lake. Lake. Gass Gass Gass Gass Give and Sullivan. Greant Morgan Morgan Pulaski Pulaski Pulaski Randolph Rand
Турв	New Floor Steel Truss. 3 span concrete slabs. Concrete Arch. Shel Truss. Concrete Double Box Culvert. Concrete Double Box Culvert. Concrete Box Culvert. Concrete Box Culvert. Concrete slab Bridge. Steel Truss. Steel Truss. Steel Truss. Concrete slab Bridge. Steel Truss. Concrete slab Bridge. Steel Truss. Concrete slab Bridge. Steel Repairs and Substructure. Concrete slab Bridge. Steel repairs Wood Block Floor Concrete slab Bridge. Steel Repairs Wood Block Floor Concrete slab Bridge. Steel Truss Bridge. Steel Truss Bridge. Steel Truss Bridge. Steel Truss Bridge.
Str. No.	200
Sec.	H AFFGUUMARKO O O WAFFHRFRGGWO A OAAHU
Proj.	Addition

COUNTY AID BRIDGES—ENGINEERING Fiscal Year Ending September 30, 1921

	Total	All Engineer- ing Prior to		\$766 31 5,628 02		813 1375 1375 1375 1375 1375 1375 1375 13	\$7,423 49
tructures		Total	Engineering	\$2,964.28		\$21 6.10 3.24 0.45 8.24 0.45 6.11 0.	\$3,339 04
argeable to S	ber 30, 1921	ction	Expense	\$329 84			\$329 84
Engineering Costs Chargeable to Structures	Fiscal Year Ending September 30, 1921	Inspection	Salary	\$2,539 24			\$2,539 24
Engine	Fiscal Year E	d Plans	Expense				
		Surveys and Plans	Salary	\$95.20	warded.	\$3 20 50 50 50 50 50 50 50 50 50 50 50 50 50	\$469 96
ayments	E	Prior to	Sept. 30, 1921	\$10,800 00* 131,331 14	County Aid Work Not Awarded		\$142,131 14
Contract Payments	1	Fiscal rear Ending	Sept. 30, 1921	128, 481 70	Cor		\$128,481 70
	Contract Price			\$10,800 00 272,540 31			\$283,340 31
	Structure	· °OZ					Grand Tctal
	Section					CC A. 12 CC A. 32 CC A. 33 CC A. 33 CC A. 34 CC A. 46 CC A. 46 CC A. 48 CC A. 55 CC A. 56 CC A. 57 CC A. 68 CC	Grand Tetal
	Project			C. A. 13 C. A. 38		C.A. 12 C.A. 33 C.A. 33 C.A. 36 C.A. 36 C.A. 36 C.A. 44 C.A. 44 C.A. 44 C.A. 45 C.A. 55 C.A. 76 C.A. 76 C.A. 76 C.A. 76 C.A. 76 C.A. 76 C.A. 76 C.A. 76 C.A. 77 C.A. 78 C.A. 7	Grand 5

DISTRIBUTION OF TESTING EXPENSES, FEDERAL, STATE AND COUNTY AID BRIDGES

1	Project		g i	m	Total Con- struction		Cost of	Testing	
No.	Sec.	Str.	County	Type	Estimates for Fiscal Year	Expense	Salary	Total	Percent
FA1 3 4 4	A A	14 17& 39 12 15	Elkhart Marion Putnam Putnam	R. C. Girder R. C. Girder R. C. Girder R. C. Girder	\$4,615 81 598 78 8,555 89 12,266 80	\$12 05 5 40 8 90 12 81	3 10	\$12 05 5 40 12 00	.26 .90 .14
6	A A	16 34	Vigo Clav	R. C. Girder R. C. Girder	9,980 94 82 00	6 70		12 81	.11
6	B	28 43	Putnam	R. C. Arch	3,179 73 3,114 80	4 08	4 25 11 06	8 33 11 06	.26
9 9 10 11	A A A	3 23 20 1	Johnson	R. C. Slab Arch Extension Encased I Beams	4,523 67 2,198 98 4,747 77	2 75 6 50 3 50		2 75 6 50 3 50	.06 .30 .07
13 13	A B	14 5	St. Joseph Hancock Hancock	Steel Truss Steel Truss R. C. Arch	13,957 06 9,336 70 3,846 34	74 25 2 25	2 42	74 25 2 25 2 42	.53 .02 .06
13 13 13	B B C	16 29 1	Hancock Hancock	R. C. Arch	1,363 01 Progress 55,944 73	36 25	2 42 2 00 39 44	2 42 2 00 75 69	.18
13	C C	12 &45 20	Henry	R. C. Slab and Steel Truss R. C. Arch	Progress		72 2 00	72 2 00	
13 14 15	D •	25 9 1 & 7	HenryVigoHendricks	R. C. Arch R. C. Arch R. C. Slab	925 50 944 59		5 91 2 80	5 91	.10
15 15 15	A B	16 &29 39 31 &44	Hendricks Hendricks Hendricks	R. C. Girder Repairs to Pier R. C. Arch	8,055 10 11,802 90 Progress		11 03 12 50 5 60	11 03 12 50 5 60	.14
15 16 16	B B F	34 &35 Misc. 27	Hendricks Warrick Dubois	R. C. Slab Misc R. C. Girder	2,926 36 42,521 29 2,226 00	18 73	5 56 14 16 1 40	5 56 32 89 1 40	.19 .08 .06
17 18 25	A A	43 3 1	Lake Tipton Miami	Steel Truss R. C. Girder R. C. Girder	19,349 85 69 28	61 80 14 55 3 84	4 93	66 73 14 55 3 84	.34
SA5 7	A F	29 4 & 5	Knox.	Labor repairs R. C. Arch and	5,014 81				
9 11	D E	11 3	FountainGrant	Slab R. C. Arch Steel Truss	17, 298 22 19, 108 00 11, 585 67	4 50	17 72 35 10	22 22 56 53	.13
13 15 20	B C B	83 15 10	HenryPulaskiPosey	Steel Truss R. C. Slab	397 85 1,805 13	3 75	2 94 5 95 3 10	2 94 5 95 6 85	1.49
21 21 29	F F G	19 1	Randolph Randolph Howard	R. C. Slab R. C. Slab	12,799 43 1,870 96 2,573 06	67 04	33 18	100 22	.78
29 33 34	G C A	9 13 14	Howard Fountain Franklin	R. C. Slab Pier repairs R. C. Arch	1,241 20 708 30 87,402 21	3 49	4 50 5 79 45 07	7 99 5 79 69 64	.64 .82 .08
CA38		1	Fountain	R. C. Arch	202,156 12	68 91	67 23	136 14	.07
		ta share	e of general operat	ing expense	\$597,019 43	\$474 28	\$351 88	\$826 16 491 24	.14
	Т	otal						\$1,317 40	.22

SUMMARY

	Total Number Structures Under Contract	Total Amount of Contracts	Total Contract Payments	Progress- Work Completed September 30, 1920	Work Completed Sept. 30, 1920 Sept. 30, 1921	Total Value Work Done	Per Cent Com- pleted
Federal Aid State Aid County Aid Total	53 27 2 2 83	\$468,715 10 284,321 43 283,340 31 \$1,036,376 84	153,037 80 142,131 14	14,361 80	161,885 53 160,602 13	\$300,573 26 161,885 53 174,963 93 \$637,422 72	64 57 62 61

COST PER SQUARE FOOT OF BRIDGE FOR STRUCTURES COMPLETED TO DATE Contracts Awarded in 1920

Proj. and	Con	NCRETE BRIDGES			STEEL BRIDGES					
Structure No.	Cost of Bridge	Sq. Ft. of Br. Surface	Cost Per Sq. Foot	Cost of Bridge	Sq. Ft. of Br. Surface	Cost Per Sq. Foot				
		Con	TRACTS AWAR	RDED APRIL 2,	1920					
F. A. 1 — 14. F. A. 3 B 17. F. A. 3 B 39. F. A. 4 A 12. F. A. 6 A 16. F. A. 6 A 34. F. A. 9 A 23. F. A. 10 A 20. F. A. 13 A 14. F. A. 13 A 14. F. A. 13 A 14. F. A. 18 A 17.	\$4,615 81 6,207 26 8,560 86 7,555 89 13,294 60 9,980 94 5,832 09 2,198 98 5,211 55 3,150 52 4,787 14	660 Sq. Ft. 1,420 Sq. Ft. 1,600 Sq. Ft. 1,600 Sq. Ft. 1,080 Sq. Ft. 900 Sq. Ft. 900 Sq. Ft. 660 Sq. Ft. 660 Sq. Ft. 660 Sq. Ft. 880 Sq. Ft.	\$7 00 4 36 5 35 12 95 12 30 11 20 7 66 3 32 5 90 4 77 5 42	\$8,678 67 16,611 45	460 Sq. Ft.* 1,680 Sq. Ft.	\$18 80* 9 85				
		Cont	RACTS AWAR	DED APRIL 15,	1920					
F. A. 11 — 1 F. A. 17 A 43	2,827 50	294 Sq. Ft.	\$9 64	\$15,938 62 16,522 35	2,140 Sq. Ft. 1,680 Sq. Ft.	\$7 44 9 86				
		Contracts Awarded June 2, 1920								
F. A. 6 B 28 F. A. 16 B 22 F. A. 16 B 63 F. A. 16 B 71 F. A. 16 B 72 F. A. 16 B 73 F. A. 25 — 1	\$14,000 00 4,154 48 6,131 80 4,849 88 9,687 52	1,900 Sq. Ft. 620 Sq. Ft. 620 Sq. Ft. 620 Sq. Ft. 620 Sq. Ft. 1,900 Sq. Ft.	\$7 35 6 70 9 90 7 80 5 10	12,076 31	840 Sq. Ft. 1,080 Sq. Ft.	11 18				
		Cont	PRACTS AWAR	EDED JULY 28,	1920					
S. A. 34 A 14	\$78,662 00	8,800 Sq. Ft.	\$8 94	1						
	-	Contr	ACTS AWARD	ED AUGUST 24	, 1920					
S. A. 21 F 2 S. A. 29 G 1	\$2,573 05	384 Sq. Ft.	** \$6 60	\$12,899 42	1,700 Sq. Ft.	\$7, 57				
		Contr	ACTS AWARD	ED AUGUST 29	, 1920					
S. A. 7 F 4 S. A. 7 F 5 S. A. 11 E 3 S. A. 20 B 10 S. A. 29 G 9	\$7,712 23 9,585 99 1,805 13 1,241 20	1,160 Sq. Ft. 1,280 Sq. Ft. 288 Sq. Ft. 240 Sq. Ft.	\$6 65 7 48 6 25 5 18		1,080 Sq. Ft.					
	Contracts Awarded October 29, 1920									
F. A. 9 A 3 F. A. 13 C 1	\$4,523 67 55,944 73	440 Sq. Ft. 4,400 Sq. Ft.	\$10 29 13 00							
Totals for 1920	\$275,095 82	33, 106 Sq. Ft.	\$8 31	\$95,864 70	10,200 Sq. Ft.	\$9 40				

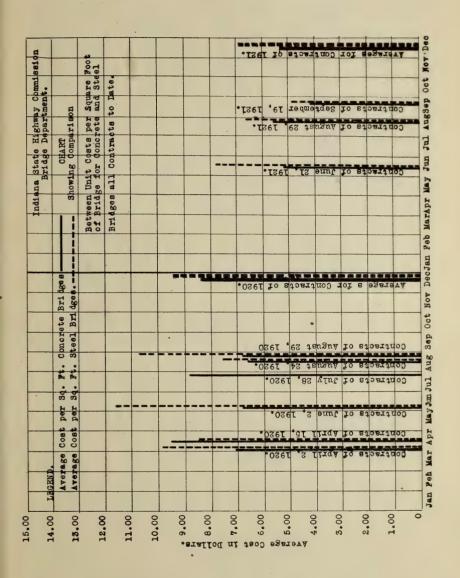
^{*}Encased I-Beam Span. This figure abnormal and not used in average.

COST PER SQUARE FOOT OF BRIDGE FOR STRUCTURES COMPLETED TO DATE Contracts Awarded in 1921

D and	· Co	NCRETE BRIDGES			STEEL BRIDGES	
Proj. and Structure No.	Cost of Bridge	Sq. Ft.of Br. Surface	Cost Per Sq. Foot	Cost of Bridge	Sq. Ft. of Br. Surface	Cost Per Sq. Foot
		Cont	RACTS AWAR	ded June 21,	1921	
F. A. 6 C 1	\$3, 114 80 3, 846 34 6, 855 23 5, 840 35 6, 158 09 13, 602 22 1, 087 05 1, 988 06 932 55 4, 179 80 4, 935 68 26, 143 05 4, 659 30 5, 056 65 4, 659 30 5, 830 90 4, 303 17	700 Sq. Ft. 600 Sq. Ft. 1,440 Sq. Ft. 1,360 Sq. Ft. 1,360 Sq. Ft. 288 Sq. Ft. 552 Sq. Ft. 552 Sq. Ft. 288 Sq. Ft. 1,100 Sq. Ft. 1,360 Sq. Ft. 1,360 Sq. Ft. 1,100 Sq. Ft. 336 Sq. Ft.	\$4 35 6 41 		1,240 Sq. Ft. 800 Sq. Ft. 660 Sq. Ft. 660 Sq. Ft. 660 Sq. Ft.	7 30 8 57 8 63
S. A. 21 F 19	2,115 28		ACTS AWARD	ED AUGUST 30), 1921	
F. A. 6 B 32 F. A. 13 C 12 F. A. 13 C 45 F. A. 15 B 41 F. A. 16 I A F. A. 24 B 44 S. A. 12 K 28 S. A. 21 H 20 S. A. 22 E 18 S. A. 44 I 31		5,380 Sq. Ft. 1,320 Sq. Ft. 357 Sq. Ft. 3,900 Sq. Ft. 2,060 Sq. Ft.	\$6 06 7 15 4 17 4 87	\$12,823 14 7,189 62 5,410 00 19,314 84 6,204 68	2,260 Sq. Ft. 1,160 Sq. Ft. 1,040 Sq. Ft. 2,060 Sq. Ft. 1,140 Sq. Ft.	\$5 27 6 20 5 20 9 38 5 44
And the state of t		Contrac	TS AWARDE	D SEPTEMBER	19, 1921	
S. A. 8 G 12 S. A. 35 A 87 S. A. 35 A 88	\$889 65 1,323 85	240 Sq. Ft. 288 Sq. Ft.	\$3 75 4 60	\$5,583 25	1,140 Sq. Ft.	\$4 90
	\$189,893 97	35,816 Sq. Ft.	\$5 31	\$87,710 72	12,820 Sq. Ft.	\$6 83

SUMMARY

	AVERAGE COST PER SQ. FT.				
Contracts	Conc. Brs. Steel Br				
Contracts Awarded 4 - 2 - 20 Contracts Awarded 4 - 15 - 20 Contracts Awarded 6 - 2 - 20 Contracts Awarded 7 - 28 - 20 Contracts Awarded 8 - 24 - 20 Contracts Awarded 8 - 29 - 20 Contracts Awarded 8 - 29 - 20 Contracts Awarded 0 - 29 - 20 Contracts Awarded Contracts Awarded Contracts Awarded Contracts Awarded 6 - 21 - 21 Contracts Awarded 8 - 30 - 21 Contracts Awarded 9 - 19 - 21 For the Season of 1921 All Contracts to Date Contracts Awarded Con	\$7 05 9 64 6 85 8 94 6 60 6 84 12 50 \$8 31 5 15 5 62 4 17 5 31 6 75	\$9 85 8 50 11 66 			



PERCENTAGES OF LOW BIDS TO ENGINEERS' ESTIMATE ON CONTRACTS AWARDED TO DATE

Date of Letting	Total Engineers' Estimate of All Contracts	Total Low Bids of All Contracts	Percent of Total Low Bid to Total Engineers'	Percent, Average Low Bid to Average En- gineers' Estimate		
	Contracts		Estimate	Concrete Bridges	Steel Bridges	
April 2, 1920	\$103,008 41 32,149 46 61,487 16 108,390 90 101,109 73	\$94,414 17 32,149 46 57,778 56 103,875 07 94,499 51	91.6% 100.0% 94.0% 95.6% 93.5%	92.1% 100.0% 93.5% 96.2% 93.0%	91.1% 100.0% 95.0% 110.0%* 100.0%	
Average percentages for requirement and ad	contracts awarded in vertised Engineers' I	1920, under two-plan Estimate Arrangement	94.9%	95.0%	99.2%	
June 21, 1921	\$206,536 21 190,791 73 37,571 08	\$164,075 34 159,830 42 28,771 75	79.5% 83.8% 76.5%	83.0% 84.5% 57.3%	81.0% 86.7% 78.8%	
Average percentages for and secret Engineer	contracts awarded in s' Estimate Plan	1921, under single plan	83.3%	74.9%	82.2%	

^{*}Bid above Engineers' Estimate.

NOTE-All Averages Numerical.

ANNUAL REPORT—TESTS

										T201			
		1920						1921					Fiscal Year
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Total
Samples received— Cement	12 14 10 1 2 4	11 4 6	6	4 5 7	26 2 5 2 19 1	78 3 12 1 10	157 10 9 2 12 2		331 4 14 1 2 13	270 4 6 1 21 11	203 13 3 5 4	3 9	1,502 61 105 13 139 83
Total	43	33	25	43	55	104	192	268	365	313	228	234	1,903
Tests made— Cement: Normal consistency Time of setting Fineness Soundness. Briquettes made Briquettes broken Miscellaneous Total		23 23 25 21 324 137	3 3 22 3 127 212	4 4 6 2 84 80	26 21 34 24 303 125	576	1,107	1,449	1,947	2,154	1,925	215 187 1,300 1,287 16	1,552 1,556 1,756 1,546 12,121 11,045 28 29,604
			370			1,019	3,123	o, 905	5,710	9,300		0,382	29,004
Aggrégates— Sand: Sieve analysis Silt Color. Briquettes made Briquettes rooken . Coarse aggregate: Sieve analysis Miscellaneous	14 6 14 54 36	4 2 4 42 42 6	6 3 6 30 42 6 11	5 1 5 18 18	2 2 2 12 12 12 5	3 3 12 12 12	10 5 10 48 30	6 6 36 42 10	4 4 4 24 27 8 7	4 1 4 6 18	3 12 10	3 3 3 18 6	61 36 61 300 282 96
Stone: Abrasion Miscellaneous						1	2	2	1	1 4	3 6	II 1	12 11
Total	150	110	104	61	44	. 65	127	138	79	51	34	40	1,003
Steel— Tensile strength Bend Miscellaneous	4	10	6 6 12	27 22 27	19 19 4	6	12 11	5 5	2	22 24	4 5	26 22 9	129 122 66
Total	4	10	24	76	42	12	23	10	4	46	9	57	317
Miscellaneous: Total	7	1	35	17	3	7	18	66	7	21	12	26	220
Grand Total	384	674	533	334	622	1,903	3,291	4, 167	5,800	5,474	4,457	3,505	31,144
Reports issued— Cement Aggregate Steel. Miscellaneous.	26 17 9 3	43 21 8 6	24 23 6 7	11 15 6 6	78 18 7	188 24 7 2	350 47 6 12	588 26 5 13	881 22 	867 13 23 10	694 18 4 6	14 19	4,296 258 100 73
Total	55	78	60	38	103	221	415	632	905	913	722	585	4,727

YEAR BOOK

TESTS

	Daily	Totals	Month	ly Totáls	m-4-16
	Maximum	Average	Maximum	Average	Total for Year
Samples received— Cement. Sand. Coarse aggregate. Stone. Steel. Miscellaneous.	31 3 4 2 5 10	5.00 .20 .35 .05 .45 .30	331 14 14 3 27 29	125.2 5.1 8.8 1.1 11.6 6.9	1,502 61 105 13 139 83
Total	33	6.35	365	158.7	1,903
Tests made— Cement: Normal consistency. Time of setting. Fineness. Soundness. Briquettes made. Briquettes broken. Miscellaneous.	26 24 36 26 150 144 6	5.15 5.20 5.85 5.15 40.45 36.80	345 342 360 352 2,364 2,145	129.3 129.7 146.3 128.9 1,010.1 920.4 2.3	1,552 1,556 1,756 1,546 12,121 11,045 28
Total	334	98.70	5,710	2,467.0	29,604
Aggregates— Sand: Sieve analysis. Silt. Organic impurities. Briquettes made. Briquettes broken. Coarse aggregate: Sieve analysis. Miscellaneous.	3 2 3 12 15	. 20 .10 .20 1.00 .95	14 6 14 54 42 12 30	5.1 3.0 5.1 25.0 23.5 8.0 12.0	61 36 61 300 282
Stone: Abrasion. Miscellaneous.	2 2	.05	3 6	1.0	12 11
Total	29	3.35	150	83.6	1,003
Steel— Tensile strengthBend Miscellaneous	8 8 7	.45 .40 .20	. 27 24 27	, 10.7 10.2 5.5	129 122 66
Total	16	1.05	76	26.4	317
Miscellaneous(Oils, Asphalts, Paints, etc.) Total	20	.75	35	18.3	220
Grand Total	334	103.80	5,800	2,595.3	31,144
Reports issued Cement. Aggregate. Steel. Miscellaneous.	90 6 8 7	14.30 85 .35 .25	881 47 23 13	358.0 21.5 8.3 6.1	4,296 258 100 73
Total	90	15.75	905	393.9	4,727

${\bf SUMMARY}$

	Cement	Aggregate	Steel	Miscellaneous	Total
Samples received	29,604	179 1,003 258	139 317 100	83 220 73	1,903 31,144 4,727

TESTS
CHARGES NOT DISTRIBUTED TO PROJECTS

	Expenses	Salary	Total
Expenses, office, laboratory and miscellaneous. Supplies. Depreciation of equipment 10% Field traveling expenses. Salaries.	214 46	\$4,925 17	\$249 52 364 50 939 00 214 46 4,925 17
General operating cost Equipment (\$7,701.98 less 10% depreciation on total equipment)	\$1,767 48 6,762 98	\$4,925 17	\$6,692 65
Total charges not distributed to projects	\$8,530 46	\$4,925 17	\$6,692 65

CHARGES DISTRIBUTED TO PROJECTS

Roads, Federal and State Aid. Roads, County Aid. Bridges. Maintenance.	1,368 23 474 28	\$2,653 04 420 55 351 88 104 30	\$8,300 16 1,788 78 826 16 340 60
Total charges	\$16,256 39	\$8,454 94	\$24,711 33

CHARGES DISTRIBUTED

	Expenses	Salary	Total
Maintenance Pro rata share of general operating costs.	\$236 30	\$104 30	\$340 60 202 52
Total			\$543 12
Equipment charge		· · · · · · · · · · · · · · · · · · ·	\$6,762 98
Grand Total			\$24,711 33

COMPARISON OF TESTING COSTS

Ітем		nstruction mates	Testin	ng Cost	Percent		
	1919-1920	1920-1921	1919-1920	1920-1921	1919-1920	1920-1921	
Operating Costs— Including prorated general expenses, supplies, salaries and depreciation of equipment. Federal and State aid roads County Aid Roads. Bridges. Maintenance.		597,019 43	\$9,799 78 1,721 77 *	\$13,235 44 2,852 39 1,317 40 543 12	. 620		
Total			\$11,521 55	\$17,948 35			
Equipment (less depreciation)			\$1,750 08	\$6,762 98			
Grand Total			\$13,271 63	\$24,711 33			

^{*}Included in charge against Federal and State Aid Roads.

REPORT OF THE DIVISION OF MAINTENANCE

Year Ending September 30, 1921.

A. H. HINKLE, Chief of Division of Maintenance.

(1) ORGANIZATION

The organization of this division, while much the same as last year, has been going through a transitional stage to a very great extent during the most of the year. It is gradually shaping itself into an organization which should be more efficient as the employes become more experienced in their work.

The organization of the office force in the Division of Maintenance at the present time consists of: A chief engineer, an assistant engineer, a pay-roll auditor, an invoice auditor, an order clerk, an invitation clerk and a stenographer. The titles of these positions suggest the nature of the duties of the respective positions. The order clerk in addition to writing the orders for all the purchases, keeps a record of equipment. Both the order clerk and invitation clerks also do some stenographic work.

The character of the field organization is the same as that of last year except that the Monticello and Greenfield districts were each subdivided into six sub-districts instead of five as before. Also the boundaries of the different districts and sub-districts have been changed in many instances so as to more nearly equalize the latter. The districts and sub-districts, together with the miles of road in each, are as follows:

DISTRICT	Sub-District	Miles of Road in Sub-District
Vincennes	Terre Haute. Vincennes. Princeton. Paoli. Dale. Total.	116 miles 130 miles 119 miles 114 miles 110 miles
Seymour	Martinsville . Seymour . New Albany . Columbus . Aurora .	121 miles 121 miles 110 miles 118 miles 97 miles
Greenfield	Greenfield Connersville Winchester (Muncie). Lebanon. Anderson (Noblesville). Indianapolis.	132 miles 141 miles 135 miles 135 miles 135 miles 135 miles 175 miles

District	Sub-District	Miles of Road in Sub-District
Fort Wayne	Fort Wayne. Kendallville. Warsaw Plymouth (Rochester). Wabash.	135 miles 96 miles 118 miles 106 miles 113 miles
	Total	568 miles
Monticello	Monticello	136 miles 129 miles 93 miles 94 miles 111 miles 129 miles
	Total	692 miles
	Grand_Total	3,191 miles

At the close of the year we were employing about 220 patrolmen, 50 foremen and 23 mechanics. The number of laborers on our payroll vary greatly with the season of the year and with the funds available for doing resurfacing and reconstruction work. During our busiest season in the late fall of 1920, we at one time employed nearly 5,000 laborers. During the winter season the number of laborers is reduced to almost nothing; also at this season most of the foremen are off the payroll, although we employ the patrolmen as steadily throughout the year as it is practical to employ them. Many of the patrolmen are laid off at such times during the winter as they cannot do effective work. The foremen have charge of gangs of men doing grading work, repairing bridges, doing heavy resurfacing, etc. Since their work is more or less special work, this class of employes is naturally employed less steadily than are the patrolmen.

The Truck Patrol System is maintained in most places in the state although in a few places team patrols are maintained because for one reason or another it is not practical to maintain truck patrols. One truck patrol is equivalent to about three team patrols. A patrolman sometimes has two trucks under his care with two or more helpers. Frequently, and in fact too frequently, the patrolman has had quite a gang of men working under him in which case his work assumes that of a foreman. While much of the hauling of gravel and stone is done by the patrolmen, the large quantity of hauling made necessary where heavy resurfacing is done, is hauled by a truck gang consisting of a number of trucks with drivers under the charge of a foreman. When our own trucks are not available for this heavy hauling, the same is done by contract or local teams.

It is to be regretted that so many changes from one cause or another, had to be made in our superintendents. One death occurred among this class this year as did one occur last year. Owing to the fact that the division was under-organized for the large amount of work it did, the work of this class of employes was very strenuous. With the two additional sub-districts and superintendents and also with the heavy work of organizing completed and our work more uniformly distributed throughout the year, our superintendents are in



a much better position to do their work efficiently. The only explanation of our having accomplished the great work that has been done is the fact that we have five competent and hard-working district engineers and mostly superintendents who are doing their best.

Our organization is such that every position requires an able, industrious, competent person to properly handle the work. The jobs of foremen and patrolmen, for instance, are real workmen's jobs. It is very necessary that an explanation of the nature of the duties of each position be made to those seeking the positions in order that the various applicants will not be misinformed and be placed in positions for which they will be unsuited and with which they will be disappointed.

(2) TYPES OF ROADS WHEN TAKEN OVER

During the first year of our operation so many roads were indefinite in location at various points that it was difficult to tabulate the length of the various types of surface. With the location largely fixed for practically the entire system, this is now possible. The following table shows approximately the miles of different types of surface found on the state road when taken over by the state:

TABLE 1. SHOWING TYPES OF SURFACE WHEN TAKEN OVER
MILES OF DIFFERENT TYPES OF SURFACE

Road	Brick	Cement Concrete		Bitu- minous Macadam	Surface Treated Macadam	Traffic & Water Bound Macadam	Gravel	Gravel on Stone Base	Earth	New Loca- tion Earth	Total Length of Roads
1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 22 25 26 27 28 29 30 31 22 33 34 35 36 36 37 38 9	4.9	4.0 1.55 3.65 3.0 0.5 0.9 2.3 1.05	4.5	2.5 2.5 2.7 2.5 4.5 2.7	1.6 8.7 3.87 4.9	36.0 32.0 36.0 32.0 36.0 32.0 36.0 32.0 36.0 32.0 36.0 32.0 36.0 37.1 36.0 37.1 36.0 37.1 36.0 37.1 36.0 37.1 36.0 37.1 37.1 37.1 37.1 37.1 37.1 37.1 37.1	189.83 66.1 77.09 46.0 21.4 92.0 57.3 14.5 59.6 95.0 53.5 60.3 71.1 0.5 34.3 27.8 50.78 22.3 12.8 15.7 1.0 23.82 39.4 52.5 53.6 6 47.4 42.75 57.5 57.5 53.9 6 47.7	3.2	35.9 0.8 5.3 14.4 3.5 29.1 10.5 3.4 6.9 19.0 1.0 2.6 8.5 1.3	2.0	234. 28 142.0 122.3 1203.85 62.0 154.2 103.9 61.0 80.3 150.8 785.0 91.3 60.6 80.1 35.1 40.4 12.9 922.3 75.9 94.15 70.75 12.8 31.4 9.5 50.6 80.6 80.1 22.9 94.15 70.75 12.8 31.4 33.7 5.9 55.3 8.4 64.2 8.4 83.9 92.5 55.4 43.8 84 33.7 7.1 66.55 7.1
40 41						27.2	21.2 14.6		11.6		48.4 26.2

TABLE 1-Continued

Road	Brick	Cement Concrete	Bitu- minous Concrete	Bitu- minous Macadam	Surface Treated Macadam	Traffic & Water Bound Macadam	Gravei	Gravel on Stone Base	Earth	New Loca- tion Earth	Total Length of Roads
42 43 44 45 46		0.4		0.9	0.3 2.6 6.1	34.7 1.7 18.2 7.4	67.8 12.0 10.3	0.8	22.0 7.3		35.8 , 26.3 100.7 19.4 20.3
46 48 49 50 51		1.5		0.9		44.2 6.3	20.7 10.3 29.7		10.0		22.2 54.5 46.9 4.8
Totals:	41.05	96.70	7.5	24.0	68.84	796.12	1,762.37	130.3	230.30	33.9	3,191.08

The above table does not include the roads inside the incorporated towns. It should be also noted that the above is a report of the different types when the roads were taken over by the state and not at the present time. Quite a few changes in the types have taken place in many of the sections of road since that date.

A map of the state showing the location of the roads and their numbers, drawn to a scale of 5 miles to 1 inch was completed. A reproduction from this map is shown in this report.

(3) MARKING ROADS AND DANGER SIGNS

The marking of the roads in the field by painting the road numbers on the telephone poles has been practically completed. The symbol used, which is the road number inside the outline of the state as a border, stands out very prominently. Where two routes pass over the same road, the short piece of road common to the two routes was assigned the road number which it was assumed most appropriate, and the other route number also appears at the lower right hand corner of the symbol thus making it possible to readily follow the desired route. But one symbol was painted on a pole and this was so painted as to directly face the road. This is not as easily read as if the numbers were painted so as to face the traveler as he approaches. This latter system would cost considerable more as two of the symbols would have to be painted on a pole, or, in case the pole is too small to do this, as it most frequently would be, double the number of poles would have to be painted. It is not always easy to determine just what expense the general public are willing to bear in making conveniences for the traveler. While a number of requests have been made of the commission to do a little more elaborate work in the way of marking the roads, it is believed that we should not approach what might be considered extravagance in this work at this time.

In most places the dangerous obstructions along the road such as culvert headwalls, mail box posts, telephone poles where close to the traveled way, etc., were whitewashed so as to make these dangerous obstructions more noticeable at night. Where this whitewashing was done neatly it added to the appearance of the road as well as aided in avoiding many accidents. It was contemplated to do this whitewashing twice a year but this work was accomplished but once this first year. In Fig. 2 is shown a view of a road after the whitewashing was done.

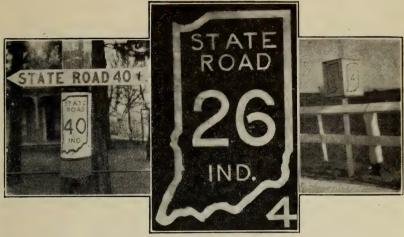


Fig. 1

Fig. 1. Showing method of marking state roads: (a) Sample of standard symbol which is painted on telephone poles. The figure 4 in the lower righthand corner shows that route 4 following along state road 26 at this place. (b) Showing symbol on pole, supplemented by arrow, which is desirable at certain crossroads or bends in the road. (c) Number painted on boards where telephone pole is not available.

Danger signs have been erected on the highways at many of the dangerous places. Five different designs of signs are used for this purpose as shown in Fig. 3. These signs are erected at the outer edge of the road shoulder and about 300 feet in advance of the source of danger and thus aid, particularly at night, in avoiding many accidents.

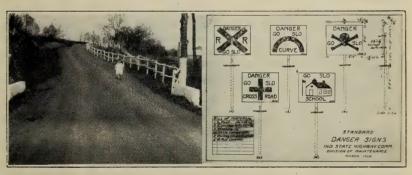


Fig. 2

Fig. 2. Showing whitewashed obstruction along road.

Fig. 3

- Fig. 3. Standard Danger Signs:
 - (a) Sign used at railroad crossing.
 - (b) Sign used as warning of dangerous curve.
 - (c) Sign used at dangerous crossroad.
 - (d) Sign used to indicate schoolhouse ahead.
 - (e) Sign used as warning of an extreme danger when none of the other signs are applicable.

(4) PURCHASING SYSTEM

Although a few formal contracts for completed work were let by the maintenance division, most of its work is done by force account wherein the state purchases the material and hires the labor. of the purely maintenance work is of such nature that it must of necessity be handled in this way. This necessitates the purchase of a large quantity of material and equipment which must be purchased on a competitive bidding basis. To handle this large amount of miscellaneous purchases a definite system has been originated wherein any one interested has an opportunity to bid. A directory of material and equipment producers is kept up to date so that it is usually possible to learn in a moment of those concerns who would be interested in producing any material. Estimates of the material wanted come to the central office on requisitions which are here checked. Formal invitations are then sent to all parties producing such material and who it is thought would be interested in furnishing same. A copy of the invitation is sent to the district engineer and also a copy to the superintendent in whose territory the material is to be supplied. Also a copy is posted in the central office where any one can inspect same. Although this furnishing of such an abundance of invitations requires much work on the part of the central office, it seems necessary to do this in order to give all the same chance to bid. The bids are sealed and those due on any day are opened at 2:00 p. m. on that day. opening the bids at the same hour each day, interested bidders are never confused as to what hour to call at the office to hear the bids read. The requisition invitations and orders are each assigned a separate serial number. The requisition carries the invitation and order number, after these latter have been assigned; likewise the invitation carries the requisition and order number, and the order carries the requisition and invitation number. The standard invoice furnished by the commission and on which the company presents its claim for the payment of the material also carries the order number. As each invoice is audited and approved, the amount of it is entered on the office copy of the order. By this means of numbering and recording it is easy to trace any purchase from the origin of the requisition to the final payment for the material.

Owing to the instability of prices and uncertain freight rates this past year, it was not advisable to purchase ahead of immediate requirements. This made it necessary to make many small purchases which increased the amount of detail office work very much. During the year 4,000 requisitions for material and supplies were received; about 8,000 invitations for bids were mailed out; about 4,000 orders were written and 13,000 invoices were audited for payment.

(5) TRAFFIC AND GENERAL CONDITION OF ROADS

After two years' maintenance quite a change has been brought about on the State Road System and at this date the larger part of the system, exclusive of the earth roads, is in a very fair condition for traffic. An attempt has been made, first to put in good serviceable condition those worst gaps in the more important routes. The designating and marking of the State Roads had the effect of inviting a much heavier traffic than had gone over them heretofore. In spite of this heavier traffic and while the winter and spring of 1921 was a severe test of the gravel and stone roads because of the "soft" winter weather, the State Roads held up much better than the year before. Although we were criticized much for not prohibiting by arrest the heavy loads from going over the roads in the spring of 1921, it was not believed that necessary traffic should be hampered at any season of the year. Hence the users of the highways were requested to use common sense and avoid so far as possible the abuse of the highways during thaws, but no arrests were ordered made because of heavy loads on the State Roads. The hauling of quite heavy loads during the wet season had one advantage in bringing to our attention the weak places in our highways where an additional thickness of metal was required.

(6) WORK DONE DURING THE YEAR

The standard methods of maintaining the various types of surface has been followed during the year. The holes in the brick, concrete and bituminous macadam surfaces were patched with bituminous cold mix. The small cracks and joints in the brick and concrete were filled with a suitable grade of bituminous material. The bituminous macadam and water-bound macadam surfaces that were good enough to justify it were given a surface treatment of bituminous material and screenings. It is noticed that the larger mileage of the system consists of gravel and stone roads which were not suitable for maintenance by the use of bituminous materials. These latter types were maintained by applying stone and gravel and dragging, which class of maintenance constituted the large part of our purely maintenance work. To describe in any detail this class of work would be almost prohibitive because of the amount and variations of it.

In many places in the hilly sections of the state where stone is abundant, a layer of field stone was placed over the places that showed a lack of foundation by breaking through. These stones were broken up with sledges and made an excellent foundation at a reasonable cost. Fortunately, stone for this purpose is very frequently found in those parts of the state where there are no shipping facilities for receiving stone or gravel from a commercial plant. While this method of building roads seems old-fashioned, where conditions are favorable for it, it is the cheapest good foundation that can be built. It is very necessary to cover such a stone foundation with gravel or fine stone or some other suitable road surface.

Much of the State Road Sixteen, between Corydon and Leavenworth, was built by the maintenance division by using the above method of construction for a foundation. Part of this road was a mere trail in the woods, but now is a single track road very suitable for light traffic in going to and from the magnificant Wyandotte Cave, which previous to this year has been almost inaccessible by highway because of the almost impassable road leading to it.

Although 1920 was an extremely difficult year to secure material and labor with which to do our work, we gradually emerged during the first part of 1921 from this condition to one wherein labor and material became plentiful. The changed condition is making labor much more efficient and stone and gravel by the close of the year had reduced in price on an average about 20% at the commercial plants, although some concerns had made little or no reduction in their price. However, owing to the 40% increased freight rate, shipped material on an average during the year actually had cost us as much or more than the preceding year.

Due to this high price of commercial shipped stone and gravel, every available local supply of material was drawn upon that could be found. The use of this local material even though it is sometimes of an inferior quality is used to tide over until a material reduction in shipped products is effective. When this reduction is made it will be more economical to use the better grade of shipped material in many places where we have been heretofore using inferior grades of local material.

Due to the fact that many miles of the road taken over by the state had a very light coat of stone or gravel on them, or as our records in table 1 show, about 270 miles were earth roads and had no metal on them at all, our maintenance work in order to develop a system of roads has been quite largely grading or reconstruction work. There are still about 170 miles of earth roads on the State System. Some of this as well as a number of miles of road which had been given a light coat of gravel or stone has such bad grades or is so poorly located that it should be graded or constructed before we are justified in spending much money for its maintenance.

During the year much resurfacing and reconstruction work was done. Many miles of this work was so extensive as to virtually amount to constructing a new road. A good many new culverts were installed and hundreds of bridges refloored. It seemed that nearly all of the old plank floors on bridges were either worn or rotted out so that they needed renewing. Very fortunately for this latter work, good oak lumber for bridge floors was bought at a very reasonable price—No. 1 white oak bridge plank, averaging about \$43 per thousand (including freight) in car-load lots.

Many fills at new bridges and culverts built by the bureau of bridges were made by the maintenance division and paid for out of the maintenance fund as was also the cost of coating of these new fills with gravel or stone. Also temporary bridges were sometimes built to carry traffic around the bridge under construction. While the maintenance division would not ordinarily be thought of as maintaining a section of road under construction, frequently a contractor, in grading, destroyed the old roadbed, which was not covered with the new pavement before winter and which required considerable expense to keep it passable. Hence the fact that a piece of road was under construction did not necessarily eliminate its maintenance. In some places the shoulders of new pavements had to be rip-rapped to prevent flood waters from undermining them. While all these incidentals were done, no doubt more practically and economically by the maintenance division than by the contractor because they had to be done hurriedly and could not always be foreseen and included in the contract, they added to the maintenance cost. Our patrolmen in many places are also dragging inside incorporated towns to meet the pavement. This mileage is not listed in the table as having been maintained and hence this adds slightly to our maintenance cost per mile.

As the narrow roadbeds in fills are widened, the short culverts must be extended to make the road safe for heavy traffic. quite a lot of this widening of grades and extension of culverts has been done, there is yet a many times larger part that should be done at as early a date as possible. Although the old narrow roadbed served the light traffic in early days very well, the much heavier and faster traffic at the present time is hindered and jeopardized badly by narrow fills and narrow culverts. Accidents are taking place daily in the state, due to these narrow fills. These accidents are many times more serious by reason of the telephone poles being located too close to the traveled way. The necessary and economical widening of the roadbed and proper draining of the road by ditching, in many places, cannot be accomplished without the moving back of the fences and telephone poles. In many places the fences are found to be as close as 32 and 35 feet. believed that in the rural districts the state roads should have a minimum width of 50 feet between fences, while near the larger cities this minimum should be 60 feet. While in many places this necessary width has been freely granted by the adjacent land owners and they have moved back their fences and the telephone companies have moved their poles, there is in some places an unwillingness on the part of the property owner and telephone company to co-operate with the commission in securing the necessary clear width to make a safe road for traffic. It is believed that if this co-operation is not freely secured from the adjacent property owners and public utilities, that a special assessment for a part of the cost of the good road should be placed upon the abutting property which is most benefited by it.

The commission now has 35 ten-ton caterpillar tractors and 26 twelve-foot blade road graders, which machinery makes it possible to do this very necessary ditching and widening of the roadbeds very cheaply where an unobstructed right-of-way is available. However, we find ourselves handicapped to such an extent that it is impossible to do this very necessary work because of the present location of the poles and fences in many places.

(7) EXPENDITURES

In Tables 11-A and 11-B which follow, is reported all expenditures of the division of maintenance for the fiscal year ending September 30, 1921. In Table 11-A are the expenditures by county so far as the expenditures could be assigned to a county and in Table 11-B are the remainder of the expenditures assigned to the particular district and sub-district in which they were incurred. The expeditures in this latter table are of such a nature that it would be difficult to assign them to any specific section of road and hence any county.

During the war period, just preceding the taking over of the State Roads for maintenance, because of wartime conditions and also because of the prospects of the state assuming the responsibility for maintenance, many of the roads lagged in their up-keep so that the expenditures for the first two years represents in reality three or more years actual repair work. Also the designating and marking of the State Roads as such and the making good the bad gaps in same has naturally acted to invite a great deal more traffic on these roads than had gone over them heretofore. This will have the effect of further increasing the maintenance cost on these roads over and above what it was before the state took them over, for the maintenance cost on a gravel or stone road is almost in direct proportion to the amount of traffic over it.

While Table 11 reports \$4,170,805.07 expended during the fiscal year ending September 30, 1921, our records show that the heavy expenditures were during the latter part of the calendar year 1920. and the early part of the calendar year 1921. Of the \$5,007,239.99, total amount expended during the two years ending September 30, 1921, about one-half was expended within the calendar year 1920. Hence, it is seen that although this report of expenditures shows a much greater expenditure than the 1920 report, the total of the two reports show about the same expenditure within each of the two calendar years 1920 and 1921. This concentration of expenditure during the last part of the calendar year 1920 and the first part of the calendar year 1921, was due to: (1) Our organization was just being created during the year 1920; (2) the scarcity of labor and difficulty of getting material during the early part of 1920; (3) the shift in conditions during the latter part of 1920 and early part of 1921, during which a surplus of labor became available and material abundant. With this changed condition of affairs, it was possible to do all the work requiring heavy expenditures and for which we had funds, in a very short time. In fact such pressure was brought to bear to furnish work for the unemployed in some places that strict orders were necessary to prevent the incurring of more expenditures than we were allotted money to pay for.

TABLE 11A-EXPENDITURES BY COUNTY

For Year Ending September 30, 1921

	MILES OF ROAD		D		М	ILES OF H			
County	Inside of Towns	Outside of Towns	Total	Amount Expended	County	Inside of Towns	Outside of Towns	Total	Amount Expended
Adams. Adams. Allen. Bartholomew. Benton. Blackford. Boone. Brown. Carroll Carroll Clark. Clay. Clinton. Crawford. Daviess. Dearborn. Decatur. Dekalb. Delaware. Dubois. Elkhart. Fayette. Floyd. Fountain. Franklin. Franklin. Franklin. Greene. Hamilton. Hancock. Harrison. Hendricks. Henry. Howard. Huntington. Jackson. Jasper. Jay. Jefferson. Jennings. Johnson. Knox. Kosciusko. Lagrange. Lake. Laporte.	0.74 1.3 1.7 2.5 2.6 1.9 1.8 1.8 1.6 4.5 1.6 4.5 1.6 4.5 1.6 4.5 1.6 4.5 1.6 4.5 1.6 4.5 1.6 4.5 1.6 4.5 1.6 4.5 1.6 4.5 1.6 4.5 1.6 4.5 1.6 4.6 4.5 1.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4.6 4	24 9 68 2 41 09 33 5 23 1 1 23 0 2 9 8 26 6 6 39 4 26 05 10 5 36 7 25 3 20 5 41 9 37 33 19 7 23 9 8 6 7 33 15 25 2 36 8 9 25 2 36 7 6 36 7 33 15 5 27 6 36 7 33 15 5 27 6 36 7 37 33 15 5 4 7 6 17 7 5 7 0 6 8 90	28 1 80 4 43 34 35 4 24 1 32 45 10 54 27 9 43 9 27 75 13 0 39 3 27 2 22 3 29 9 32 45 38 75 44 85 44 5 44 5 44 5 45 3 22 7 28 45 30 1 38 3 27 2 28 45 30 1 30 1 30 1 30 1 30 1 30 1 30 1 30 1	\$31, 329 21 127, 690 18 27, 982 59 18, 154 67 22, 179 78 35, 159 77 8, 955 74 34, 363 46 42, 963 52 43, 304 90 43, 090 64 11, 771 22 48, 255 77 41, 096 64 51, 298 78 75, 184 38 31, 458 14 22, 181 60 42, 185 37 9, 168 86 34, 598 02 15, 398 21 41, 009 20 28, 795 18 60, 955 18 60, 955 18 60, 955 18 60, 955 18 60, 955 18 41, 009 20 28, 795 60 84, 438 97 64, 926 66 60, 306 13 45, 849 84 41, 937 20 41, 937 20	Lawrence. Madison. Marion. Marshall. Martin. Miami. Monroe. Montgomery Morgan. Nowton. Noble. Ohio. Orange. Owen. Parke. Perry Pike. Porter. Posey. Pulaski. Putnam. Randolph. Rapley. Rush. Scott. Shelby. Spencer. St. Joseph. Starke. Steuben. Sullivan. Switzerland. Tippecanoe. Tipton. Union. Vanderburgh Vermillion. Vigo. Wabash. Warren. Warrick. Washington. Wayne. Wells. White. White.	2.7 4.9 3.3 2.8 4.4 4.1 0.0 1.2 9.9 3.8 3.8 3.4 6.1 7.2 7.5 1.5 1.6 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1 9.1	44. 95 48. 0 64. 02 48. 8 16. 2 37. 2 36. 2 44. 3 36. 2 44. 3 36. 2 14. 9 42. 3 40. 6 30. 1 24. 7 48. 5 26. 8 23. 5 64. 05 41. 25 42. 4 44. 4 43. 95 31. 5 23. 2 30. 2 21. 9 21. 8 27. 9 21. 8 21. 9 21. 8 22. 5 23. 9 22. 3	47. 75 55.9 96. 02 53. 9 142. 2 238. 9 24. 2 239. 5 47. 3 54. 6 15. 9 48. 0 45. 2 44. 4 32. 3 25. 8 51. 2 30. 6 7. 45 47. 35 24. 3 67. 45 67. 45 67. 45 67. 22 67.	\$76, 931 04 52.189 54 51.757 98 70, 298 53 32, 562 12 33, 446 14 77, 557 98 38, 284 86 37, 424 86 49, 995 94 60, 551 94 12, 829 97 60, 611 31 130, 796 74 12, 829 97 61, 913 97 62, 913 97 63, 913 97 64, 996 64 62, 938 97 64, 996 64 62, 938 97 64, 996 64 62, 938 97 64, 996 64 657, 282 87 32, 703 47 26, 238 07 26, 047 13 13, 403 29 24, 210 98 50, 416 67 24, 575 73 33, 167 47 31, 627 63 56, 138 70 16, 840 98 17, 16, 18, 18, 18, 18, 18, 18, 18, 18, 18, 18
Totals						423.39	3, 190.88	3,614.27	\$3,857,291 65

TABLE 11B

GENERAL EXPENDITURES NOT ASSIGNED TO ANY SPECIFIC SECTION OF ROAD

For Year Ending, September 30, 1921

Central Office		Clerica	tures for En	rvision	General Equipment	able to any Section of	Totals
Bureau of Bridges 189 58		Salaries	Expenses	Misc.		Road	
Ft. Wayne	Bureau of Bridges. General. Workmen's Compensation.	189 58	81 08 25 96	83 39	760 13	\$1,280 87	\$23,492 62 354 05 786 09 1,280 87 3,649 10
Kendallville	DISTRICT SUBDISTRICT						
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Kendallville. Plymouth (Roch.) Wabash. Warsaw Connersville. Greenfield Indianapolis Lebanon. Winch'st'r (Muncie) Crawfordsville. Fowler Laporte. Monticello Rensselaer Rensselaer	1,800 00 1,552 83 1,450 00 1,500 00 1,500 00 1,800 00 1,525 00 450 00 1,487 50 1,740 32 2,175 00 1,719 562 50 1,719 562 10 1,719 562 10 1,719 560 00 1,451 61 1,600 00	501 07 515 28 553 95 228 52 475 35 1,033 60 550 54 948 50 584 24 31 33 413 12 591 50 1,095 11 876 18 964 24 108 65 1,104 43 46 63	63 80 114 48 27 46 204 67 71 14 196 30 122 90 83 63 26 70 1 00 92 00 109 67 143 19 72 12 128 49 76 84 73 00 54 10	16, 348 77 14, 150 39 6, 441 83 9, 339 39 8, 580 89 8, 580 89 4, 295 20 5, 665 25 154 42 9, 866 20 4, 738 86 4, 562 43 7, 072 38 4, 803 14 6, 498 27	30 00 231 90 833 50 1,569 45 1,793 72 1,029 90 125 49 307 06 298 74 	\$6, 186 92 18, 518 64 16, 812 05 9, 409 57 12, 792 03 12, 421 10 8, 329 07 9, 444 50 7, 434 39 8, 099 66 6, 650 66 9, 801 54 7, 304 06 9, 901 55 7, 658 72 8, 326 85 9, 838 82
Terre Haute 1,565 23 855 11 64 26 4,286 55 70 75 6,841 90	Seymour	2,954 03 1,500 00 1,800 00 1,619 32 1,663 75 2,100 15 2,175 00 1,501 00 1,500 00	646 32 521 03 733 51 442 56 515 94 957 69 1,239 69 237 87 568 49	190 15 175 97 56 88 101 35 79 23 176 18 116 41 78 47 27 65	2,425 89 9,428 53 3,224 43 6,102 21 12,508 20 5,976 13 137 41 1,252 98 3,898 71	597 00 180 21 1,386 22 3,627 97 1,679 07 1,381 72 968 21 52 02 97 40	5,338 62 6,813 39 11,805 74 7,201 04 11,893 41 16,446 19 10,591 87 4,636 72 3,122 34 6,092 25 3,714 10
		1,565 23 1,605 64		64 26 102 91			6,841 90 6,638 29

So far as practical all expenditures are charged on our office records to a section of road. These are subdivided into expenditures on: first, Surface, which includes all expenditures on the road surface from the top of the wearing surface to the bottom of the base course; second, Roadbed, which includes all expenditures for grading, repairing shoulders, ditches, underground drains and all expenditures incurred on the roadbed or the bed on which the road is placed; third, Structures, which item includes all expenditures incurred on bridges, culverts, walls, guard rails, and other structures; fourth, Miscellaneous, which includes expenditures for miscellaneous items such as cutting grass, weeds and brush, removal of snow, marking roads, erecting of danger and detour signs, and any other miscellaneous expenditures. There is charged

to additions and betterments that part of the expenditures incurred on new work or what might be considered additions and betterments over and above maintenance and repair work. Much of the expenditures were for grading, widening roadbed, ditching and increasing the thickness of metal on the surface over and above what it had ever been before and much more of the expenditures might have been justly reported as additions and betterments. It was believed, however, that only such expenditures as might be considered beyond any doubt as falling in this class, should be so reported. It will be observed from what follows that about one-third of our total expenditures was for additions and betterments.

An analysis of the total expenditures for the two years shows the following facts with reference to the expenditures of the division of maintenance since its creation:

Average approximate expenditures per mile per year on surface only including all resurfacing and reconstruction work is \$602.10 or 77%.

Average approximate expenditures per mile per year on roadbed including underground drains, grading, ditching and shoulder work is \$87.50 or 11.2%.

Average approximate expenditures per mile per year on structures including culverts, bridges, guard rails, and walls is \$17.70 or 2.3%.

Average approximate expenditures per mile per year on miscellaneous including snow removal, danger signs, marking roads, erecting detour signs, cutting weeds and brush, etc., is \$7.30 or 0.9%.

Average approximate expenditures per mile per year on general equipment and other general expenditures not chargeable to any specific section of road but not including overhead expenditures is \$43.50 or 5.5%.

Average approximate expenditures per mile per year for overhead expenditures including engineering, clerical and supervision is \$24.20 or 3.1%.

Total approximate expenditures per mile per year for all expenditures including grading, resurfacing and reconstruction work, culverts, bridges, general expenditures, overhead and miscellaneous is \$782.30 or 100%.

Average approximate expenditure per mile per year for additions and betterments is \$258.30 or 33%.

If we exclude the expenditures for additions and betterments which is in no sense maintenance expenditures, the expenditures per mile per year is about \$524.00 or 67% of the total expenditures.

REPORT OF THE DIVISION OF MOTOR TRANSPORT

GEORGE N. BARTLEY, Chief.

This department has direct charge of all motor vehicles belonging to the State Highway Commission and all surplus war materials transferred to the state by the Bureau of Public Roads. Through this department all supplies and equipment for trucks and cars are furnished. A garage, located at 510 West Market Street, Indianapolis, Indiana, is maintained for the repair of motor vehicles belonging to the commission and the overhauling of surplus materials received. The standard ammunition bodies and government trucks which heretofore have been discarded are now being worked over into dump bodies of serviceable size and are used in road maintenance throughout the state. Obsolete tires formerly regarded unserviceable are now being installed on our trucks by the use of bolts and clamp rings which effects a substantial saving in our equipment costs.

BALANCE OF ACCOUNTS
FOR YEAR ENDING OCTOBER 1, 1921

	Balance	Debits	Credits
Tire and tube purchases		\$17,404 75	\$19,440 48
Office salaries and expenses		4,977 31	
Federal			
Four-wheel drive	19,770 60 411 05		
Garford	5 00		
Heavy aviation.	15,236 89 1,070 35		
HulbertLiberty	1,260 12		
Nash Quad	54,296 61		
Peerless	5,359 82 7,416 75		
Republic	9,138 91		
Standard			
Velie	5 00		
WilsonG.M.C. ambulances	5 00 1,264 83		
Ford ambulances	1,287 64	\$131,073 16	
Motorcycles		63 25 6,540 71	
Expense of cars to Departments:		0,010 11	
Director and Commission. Bridges.			
Contracts	3,702 40		
Maintenance. Motor transport.	21,699 45 59 40		
Tosts	198 00	31,484 59	
Workman's companyation		50 00	
7. Loading and carting charge to Government and freight on mis- cellaneous alloted material.		38,519 00	
Garage expense, equipment and repairs. Total amount expended from Motor Transport Records.		7,040 62	217,712 91
. Total amount expended from Motor Transport Records			
	1	\$237, 153 39	\$237,153 39

42

42

RECONCILIATION WITH CENTRAL OFFICE

· RECONCILIATION WITH CENTRAL OFFICE		
Central office charge:		
Motor transport	\$184,297 54	
Included in capital expenditures	29,793 88	
		#014 001
'Amoun't expended from motor transport records	2017 710 01	\$214,091
Amount expended from motor transport records.		
Items paid in September, 1920, not included in report 1920	3,621 49	
		\$214,091
ACCOUNTS OF CARS AND FORDS		
75 Fords, touring and roadsters.		
10 G.M.C. ambulances.		
7 Buicks, touring.		
3 Overlands, touring.		
3 Lexingtons, touring.		
1 National.		
99 Accounted for in report, October 1, 1920.		
1 Ford touring, stolen. 15 Sold as unserviceable		
16 Soid as unserviceable		
83		
Receipts, 1921—		
6 Fords		
10 Dodge, touring.		
19 3 Dodge, light delivery.		
102		
Disposed of as unserviceable—		
2 Fords.		
2 Dodge light delivery.		
3 Overland, touring.		
7 Buick, touring.		
1 National.		
. 15		
87 Balance of cars, accounted for in report October 1, 1921.		
Division of Maintenance—		
Four-wheel drive		
Federal		
Gram Bernstein.		
Hulbert		
Nash Quad		
Pierce Arrow.		
Republic		
Republic		
		387
Lexington, touring		
Fords.		
G.M.C. ambulances.	6	56
Total trucks and cars to maintenance.		443
Director of the second		
Division of Contracts and Bridges—	2	
Lexington, touring		
Dodge, touring.		
G.M.C. ambulance		
Fords.		
16		19
Motor Transport—		1
Ford, coupe		1

YEAR BOOK

Garage-				
	dge, light deliveryrage.		111	575
				637
Total-				001
Ren	ated to contractors	20		
	ned to State institutions	41		
	aned to Boy Scouts	1		
_	partments of Commission	464		
Sto	rage	111		
Accoun	TED FOR		637	
	TRUCKS			
1	• • • • • • • • • • • • • • • • • • • •	1	ton	
3			ton	
3			ton	
. 2				
15			ton	
88			ton	
1			ton	
6			ton	
1			ton	
1	Gram Bernstein			
1	Hulbert	5	ton	
2	International	, 2	ton	
. 53	Heavy aviation	3	ton -	
21	Liberty	5	ton	
252	Nash Quad	2	ton	
36	Pierce-Arrow	5	ton	
17	Pierce-Arrow	, 2	ton	
4		4	ton	
. 3			ton	
35				
2			ton	
1	Union.		ton	
1	Velie		ton	
. 1	Wilson.	1	ton	
	Total Trucks			550
	Cars and Fords			87
	Total Motor Vehicles			637

REPORT OF THE ADJUTANT GENERAL

HARRY B. SMITH, Adjutant General.

Appointed Adjutant General of Indiana by the Governor of Indiana, under provisions of paragraph 214, article XII, constitution of the State of Indiana, January 9, 1917, and reappointed January 8, 1921.

Received federal recognition as Adjutant General of Indiana under the provisions of paragraph 137, section D (State Staff Corps and Departments), National Guard Regulations as provided for by Act of Congress, approved May 12, 1917, which authorized federal recognition, not as the Adjutant General of Indiana, which is a civil office, but as an officer in the Adjutant General's Department with the rank of Brigadier General.

DUTIES OF THE ADJUTANT GENERAL

The Adjutant General has performed, in addition to his duties as Adjutant General, the duties of Quartermaster General since September 17, 1917.

A suitable store-house has been provided for the storage of both state and federal property under the direct supervision of an experienced care-taker. With the great increase in the personnel of the National Guard of Indiana this question would have been a serious one had not necessary arrangements providing for the storage and care of sufficient quantities of government property been attended to during 1920.

All property received from the State Militia organization has been accounted for and arrangements made for its disposition.

The principal duty of the Adjutant General is the maintaining of an efficient military force in the state. This year has seen the Indiana National Guard grow from two small infantry companies to nearly a division or from one hundred and thirty-five officers and men to nearly five thousand officers and men. This is the largest peace strength known in the history of Indiana and it is growing larger month by month. In order to preserve the efficient record made by the State of Indiana in its military forces it became necessary to organize slowly, carefully, and with minute attention to character of the personnel. Today, although the new National Guard of the State of Indiana is in its infancy under the new Tables of Organization as provided for under the provisions of the National Defense Act, the efficiency of this organization is generally recognized and acknowledged.

The work of this office has increased greatly during the past year. The Adjutant General has devoted his personal attention to the selection of the officers and in every case the officer was commissioned on his efficiency record; the selection of the section of the state in which a National Guard unit could be established and organized and where it would become a permanent credit to the community; the careful study of the character of the enlisted personnel in order that the type of young

men entering the military service should be of the better element in the state; the filling of all the necessary requisition papers for supplies needed for the National Guard, and what is of the utmost importance, the maintaining of an efficient office through which all correspondence relative to the Indiana National Guard must necessarily pass. The eighty-three units having received federal recognition and the remaining fourteen units awaiting this recognition will fill the federal allotment for the period ending June 30, 1922. The Adjutant General has visited and inspected a great number of these units in order to familiarize himself with local conditions. The observations made during these visits have impressed him with the splendid military spirit existing throughout the State of Indiana.

Another important duty of the Adjutant General is the completion of the records of service of the men who served during the War of the United States. This work involved a vast amount of research work on the part of the employes of the office and of the voluntary efforts on the part of civilians familiar with outside war records. These records are most valuable, not only to this office as a matter of reference, but to the future historians of this state. The importance of these records and their value as sources of reference is demonstrated by the many applications received for information from all parts of the United States relative to the personal record of certain Indiana soldiers. * There is in the record files the service records of Indiana soldiers from the Mexican War to the present date. This record file is considered by authorities as one of the most complete and authentic in the United States, as far as Indiana is concerned. The Adjutant General desires to invite attention to the necessity of fire-proof protection for this valuable historical record. The small force of statistical experts employed on this work have performed their work in a very efficient manner as is demonstrated by the excellent condition of the records at the present time.

The Adjutant General desires to express his appreciation for the co-operation received from the officials in the state government during the past year. He also desires to express his appreciation for the loyal support given him by his office force. In the increase in the personnel, and therefore necessary military correspondence, in the National Guard during 1921, he has been obliged to assign more, and still more work, to his small office force and it is due to the willingness to cooperate in every way that the daily work had been kept up to date.

The organization of the Indiana National Guard has made rapid progress during the past year after the receipt of the new Tables of Organization for the National Guard. Approximately three thousand officers and enlisted men were taken into the National Guard from February 1st to June 30th of this year. This splendid work was due to the splendid co-operation on the part of former National Guardsmen and the veterans of the last war, and the painstaking, energetic and efficient methods of organization and training demonstrated by Major Albert T. Rich, Infantry, United States Army, and his competent and efficient Sergeant Instructors, Sergeants Bert Cordle, Infantry, and Michael F. Scully, Infantry, United States Army. Major Rich and the

sergeants mentioned above reported for duty about the first of the year and through their spirit of co-operation and their willingness to assist on every occasion, the officers of the Indiana National Guard have been able to build up a splendid National Guard organization. The work of the other sergeant instructors reporting as they did in the Fall of this year has been appreciated but however the hard work in organizing the military force of the State of Indiana on an efficient firm basis was due to the work of Major Rich and his two sergeants. The Indiana National Guard is extremely fortunate in having a Regular Army personnel detailed for duty with the Adjutant General, that is loyal, painstaking and willing to work at all times in harmony and co-operation with the Adjutant General in his endeavors to perfect a National Guard in Indiana that will be a source of pride to every citizen of the state.

INDIANA NATIONAL GUARD

ORGANIZATION

Under the provisions of the Act of Congress, approved June 4, 1920, the following allotment of National Guard units has been approved by the Secretary of War for the State of Indiana:

Division Troops

- 1 Hdqtrs. Infantry Division
- 1 Infantry Brigade
- 1 F. A. Regiment
- 1 Engineer Regiment
- 1 Hdqtrs. Medical Regiment
- 1 Ambulance Company (A.D.).
- 1 Ambulance Company (M.D.)
- 1 Medical Supply Section
- 1 Medical Laboratory Section
- 2 Motor Transport Companies.
- 1 Hdqtrs. Special Division Troops
- 1 Divisional Hdqtrs. Detachment
- 2 Motor Repair Sections
- 1 Divisional Hdqtrs. Company.
- 1 Signal Company
- 1 Motorcycle Company
- 1 Ordnance Maintenance Company

Corps Troops

- 1 Hdqtrs. Corps Artillery Brigade
- 1 Artillery Regiment (155mm, Howitzer)
- 1 Artillery Battalion (155mm. gun).
- 1 Artillery Observation Battalion
- 1 Artillery Ammunition Train
- 1 Corps Air Service.
- 1 Hdqtrs. Special Corps Troops
- 1 Corps Hdqtrs. Troop and Detachment

Army Troops

1 Division Signal Troop (Cav. Div.)

G. H. Q. Reserve

- 1 Artillery Regiment (75mm. Porté)
- 1 Bridge Train, heavy

Under the law the organization of these units is distributed in annual increments over a five year period beginning July 1, 1919.

The allotment to the State of Indiana for the period ending June 30, 1921, was as follows:

Division Troops

- 1 Infantry Regiment
- 1 Engineer Battalion
- 1 Divisional Signal Company.
- 1 Ambulance Company (A.D.).
- 1 Ambulance Company (M.D.).
- 1 F. A. Battalion (75mm.).
- 1 Motor Transport Company

Corps Troops

1 Artillery Regiment (155mm. Howitzers.).

The locating and designating of the units of the National Guard that have been allotted to the State of Indiana was done by a board of officers, report of which is as follows:

PROCEEDINGS OF A BOARD OF OFFICERS CONVENED BY THE FOLLOWING ORDER:

Headquarters, Fifth Corps Area, Fort Benjamin Harrison, Indiana.

February 19, 1921.

Special Orders No. 41.

11. Pursuant to the provisions of section 3a of the Act of Congress, approved June 4, 1920, and in accordance with letter from the War Department, December 7, 1920, (File 325.455, Misc. Div., Subject: Designation and Location of units of the National Guard and Organized Reserves) a board of officers is appointed to meet in Indianapolis, Indiana, at the call of the senior member thereof, for the purpose of locating and designating the units of the National Guard that have been allotted the State of Indiana.

Detail for the board:

Lieut. Colonel James K. Parsons, Infantry; Captain Daniel Wray DePrez, Ordnance Section, O. R. C.; Captain Manford Grant Henley, Infantry Section, O. R. C. (326.4/2662 AG)

By command of Major General Read.

H. B. FISKE, Chief of Staff.

Official:

N. K. AVERILL, Adjutant.

> Indianapolis, Indiana, February 26, 1921.

The board met at 3 p. m., pursuant to the foregoing order.

Present: All the members.

The board then proceeded to the work before it, viz.: Designating and locating the units of the National Guard of Indiana.

In its proceedings, the board was guided by the letter of instruction of the Commanding General, 5th Corps Area; the approved allotment of troops made to the State of Indiana (2d Ind. A. G. O. to Chief M. B., dated December 4, 1920, No. 323, Misc.). Allotment of Troops to Indiana for 1921 (Letter, Chief, M. B., to Adjutant General of Indiana, December 6, 1920); Circular Letter No. 7, Militia Bureau, 1921, containing Changes of Designations of Units and Allotments to Indiana; Letter of The Adjutant General of the Army to the Commanding General

eral, 5th Corps Area, giving normal numerical designations of units (325.455, Misc., February 14, 1921); and General Orders No. 5, W. D., 1921. The Adjutant General of Indiana was consulted both as regards to location and designation of units, and in the location of units the wishes of the state authorities were followed.

1. The following designations of the total number of divisional troops allotted the State of Indiana is recommended. No recommendation is made as regards the designation of the troops of Corps, Army, and G. H. Q., as the tables showing the normal designations have not yet been published.

Allotment	Designation Recommended	Remarks
1 Infantry Division Hdqtrs.	Headquarters, 38th Division	
1 Infantry Brigade	76th Infantry Brigade	
1 Infantry Brigade Hdqtrs. Co.	Hdotrs. Co., 76th Infantry Brigade	Note 1
2 Infantry Regiments	∫151st Infantry	
	152d Infantry	
1 F. A Regiment (75mm.)	139th Field Artillery (75mm.)	Note 5
1 Engineer Regiment	113th Engineers (combat)	
1 Hdqtrs. Medical Regiment	Hdqtrs. 113th Medical Regiment	
1 Ambulance Battalion	Ambulance Battalion, 113th Medical Res	gi-
	ment	Note 2
Ambulance Bn. Hdqtrs.	Hdqtrs. Ambulance Bn., 113th Medical I	Regi-
Ambulance Company (A.D.)	ment	
Ambulance Company (M.D.)	Ambulance Company (A.D.) No. 137	
1 Medical Section (supply)	Ambulance Company (M.D.) No. 138	
1 Medical Laboratory	Medical Supply Section, No. 113	
2 Motor Transport Companies	Medical Laboratory Section, No. 113	
2 Motor Transport Companies	Motor Transport Company, No. 149	Note 3
2 Motor Repair Sections	Motor Transport Company, No. 150	
	(Motor Repair Section, No. 125	Note 4
1 Division Hdqtrs. Detachment	Motor Repair Section, No 126	•
1 Division Hdqtrs. Company	38th Division Hdqtrs. Detachment	
1 Division Signal Company	38th Division Hdqtrs. Company	
	38th Division Signal Company	
1 Ordnance Maintenance Company	113th Ordnance Company (maintenance)
1 Special Division Troop Hdqtrs.	Hdqtrs. Special Division Troop	

Note 1. Brigade Hdqtrs. Company not in original allotment, but added by Circular Letter No. 7, Militia Bureau, 1921.

Note 2. Under Circular Letter No. 7, Militia Bureau, 1921, Ambulance Battalion Headquarters not to be organized. The organization to consist of two Ambulance Companies—one animal drawn and one motorized.

Note 3. Allotted originally as Truck Company (Q. M. C.); changed to correspond to designations in new Tables of Organization.

Note 4. Allotted originally as Service Park Units. Changed to correspond to designation in new Tables of Organization. At present, only one to be organized; see letter, Adjutant General, 325.455, Misc., February 14, 1921.

Note 5. The normal numerical designations of the Field Artillery allotted this area was 137th, 138th, 139th, but only two were authorized at present pending the development of a light howitzer. The 138th Field Artillery properly belongs to Kentucky, as that was the designation of its artillery unit during the war, leaving the State of Indiana

the choice between the 137th and 139th, which was also the designation of the Indiana artillery during the war. So far, there has been no effort on the part of the old 137th Artillery to revive its organization, while much work has been done by the officers of the 139th, hence for that reason the field artillery regiment assigned Indiana was designated the 139th.

- 2. (Paragraph 2 is not included in this extract as it is given exactly as stated in original report of the board of officers in the roster at end of this report of the Adjutant General.)
- 3. The allotment to Indiana for 1921 contains one regiment of artillery, 155 mm. howitzers. As this regiment belongs to Corps Troops, it is impossible to give it a designation as tables showing the normal designations for Corps Troops have not been received, neither has a Table of Organization for this class of artillery been published, therefore the board decided not to take any action in regard to it until tables for designation and organization of this regiment are received. This will not delay the organization of this regiment. (Note by A. G.—Subsequent authority designated the corps artillery regiment as the 181st Artillery.)
- 4. The board, at 5:30 p. m., adjourned to meet at the call of the senior member thereof.

(Sgd) J. K. PARSONS,

Lieut. Col., Inf., U. S. A.

(Sgd) DANIEL WRAY DEPREZ, Captain, Ordnance Section, O. R. C.

(Sgd) MANFORD GRANT HENLEY, Captain, Infantry Section, O. R. C.

Paragraph 3, Letter, O. I. C. N. G. A., 5th Corps Area, written in compliance with provisions of Circular Letter No. 5, Militia Bureau, 1921, changed the designation of the Supply Company at Attica to a Rifle Company and the Rifle Company at Indianapolis to a Machine Gun Company.

Letter, Militia Bureau, No. 325.4, dated August 25, 1921, allotted the following additional units to the State of Indiana for the fiscal year ending June 30, 1922:

Division Troops

- 1 Hdqtrs. Infantry Brigade
- 1 Hdqtrs. Company Infantry Brigade
- 1 Infantry Regiment
- 1 Hdqtrs. F. A. Regiment
- 1 Hdqtrs. Battery, F. A. Regiment
- 1 Service Battery, F. A. Regiment
- 1 Hdqtrs. Engineer Regiment
- 1 Hdqtrs, Company, Engineer Regiment
- 1 Service Company, Engineer Regiment
- 1 Engineer Battalion

·Corps Troops

1 Air Service Observation Squadron

The foregoing will cause the total of units authorized for the State of Indiana to June 30, 1922, to be as follows:

Division Troops

- 1 Infantry Brigade
- 1 F. A. Regiment (75mm. guns) (less 1 battalion)
- 1 Engineer Regiment
- 1 Division Signal Company
- 1 Ambulance Company (animal drawn)
- 1 Ambulance Company (motor drawn)
- 1 Motor Transport Company

Corps Troops

- 1 Artillery Regiment (155mm, Howitzer)
- 1 Air Service Observation Squadron

Circular Letter No. 55, Militia Bureau, August 17, 1921, giving the organization of the State Staff Corps and Departments under the new Tables of Organization, adds the following unit to the foregoing:

State Staff Corps

Location and dates of Federal recognition of the units allotted to the State of Indiana:

December, 1920

* Supply Company, Infantry

** Rifle Company, Infantry

Indianapolis

January, 1921

Rifle Company, Infantry (designated later as Company 'G',

151st Infantry)

Ladoga

February, 1921

Hdqtrs. Battery, 181st F. A. Battery 'A', 181st F. A.

Battery 'C', 181st F. A. Battery 'D', 181st F. A. Muncie

Kokomo Lafayette Bloomington

March, 1921

Company 'E', 151st Infantry

Shelbyville

April, 1921

Company 'A', 151st Infantry

Companý 'C', 151st Infantry **Company 'D', 151st Infantry, M. G.

*Company 'I', 151st Infantry

Company 'F', 151st Infantry Company 'H', 151st Infantry, M. G.

Service Battery, 181st F. A.

Battery 'F', 181st F. A. Battery 'E', 181st F. A.

Company 'A', 113th Engineers

Company 'B', 113th Engineers

Motor Transport Company, Q. M. C., No. 149

Newcastle Frankfort Indianapolis

Attica

Martinsville Indianapolis

Muncie Evansville

Madison Gary Gary Indianapolis

* Full reports of strength not all submitted. This strength will exceed that given

above. ** Strength on November 30, 1921, represents 75 per cent of total maximum strength of allotment to the State of Indiana for fiscal year ending June 30, 1922. The authorized maximum strength is 6,181.

May, 1921

Hdgtrs. 3d Bn., 151st Infantry Hdqtrs. Company, 3d Bn., 151st Infantry Company 'K', 151st Infantry Company 'M', 151st Infantry, M. G. Medical Detachment (Attached to 151st Infantry)

Company 'C', 113th Engineers

Hdgtrs. 1st Bn., 113th Engineers

June, 1921

Hdqtrs. 151st Infantry Hdqtrs. Company, 151st Infantry Service Company, 151st Infantry Howitzer Company, 151st Infantry Hdotrs, 1st Bn., 151st Infantry

Hdgtrs, Company, 1st Bn., 151st Infantry

Company 'B', 151st Infantry Hdqtrs. 2d Bn., 151st Infantry Hdqtrs. Company, 2d Bn., 151st Infantry

Company 'L', 151st Infantry

Hdqtrs. 181st F. A.

Hdgtrs. 1st Bn., 181st F. A.

Hdgtrs. Detch. and Combat Tr., 1st Bn., 181st F. A.

Battery 'B', 181st F. A. Hdqtrs. 2d Bn., 181st F. A.

Hdgtrs. Detch, 2d Bn., 181st F. A. Combat Train, 2d Bn., 181st F. A.

Hdqtrs. 3d Bn., 181st F. A.

Hdgtrs. Detach. and Combat Tr., 3d Bn., 181st F. A.

Medical Detach. (Attached to 181st F. A.)

Battery 'A', 139th F. A. Signal Company, 38th Division

Quartermaster Dept., State Staff Corps

July, 1921

137th Ambulance Company Adjutant General's Dept. 138th Ambulance Company

August, 1921

137th Observation Squadron, Air Service

September, 1921

Service Company, 152d Infantry Company 'D', 152d Infantry, M. G. Company 'E', 152d Infantry Company 'F', 152d Infantry Company 'G', 152d Infantry Hdqtrs. 3d Bn., 152d Infantry Hdqtrs. Company, 3d Bn., 152d Infantry Company 'I', 152d Infantry

Company 'K', 152d Infantry

October, 1921

Hdqtrs. 152d Infantry Hdqtrs. Company, 152d Infantry Howitzer Company, 152d Infantry Hdqtrs., 1st Bn., 152d Infantry Hdqtrs. Company, 1st Bn., 152d Infantry

Company 'A', 152d Infantry Company 'B', 152d Infantry

Goshen Goshen Fort Wayne Indianapolis Columbia City

Gary Gary

Shelbyville Elkhart Frankfort Portland Terre Haute Terre Haute Flora Shelbyville Shelbyville Greensburg Kokomo Angola Angola Elwood Bloomington Bloomington Spencer

Madison Columbus Seymour Indianapolis Gary

Indianapolis

Marion Indianapolis Marion

Kokomo

Colfax South Bend Lafayette Delphi Rushville Indianapolis Indianapolis Mishawaka Darlington

Indianapolis Indianapolis Portland Evansville Evansville Evansville New Albany

Company 'C', 152d Infantry	Salem
Hdqtrs. 2d Bn., 152d Infantry	Tipton
Hdqtrs. Company, 2d Bn., 152d Infantry.	Tipton
Company 'H', 152d Infantry. M. G.	Windfall
Company 'L', 152d Infantry.	Warsaw
Company 'M', 152d Infantry. M. G.	Marion
Medical Detch. (Attached to 152d Infantry)	Rensselaer
Battery 'B', 139th F. A.	Indianapolis
Hdqtrs. Detch. and Combat Tr., 1st Bn., 139th F. A.	Noblesville
Medical Dept. State Staff Corps	Indianapolis

November, 1921

Hdqtrs, 1st Bn., 139th F. A.	Indianapolis
Battery 'C', 139th F. A.	Indianapolis
Company 'D', 113th Engineers	Indiana Harbor

December, 1921

Inspector General's Dept. State Staff Corps	Indianapolis
Judge Advocate General's Dept. State Staff Corps	Indianapolis
Ordnance Dept. State Staff Corps	Indianapolis

The following units are 75% organized for Federal recognition:

H	dqtrs., 139th F. A.			Indianapolis
H	dqtrs. Battery, 139th F. A.	0		Indianapolis
Se	rvice Battery, 139th F. A.			Indianapolis
M	edical Detch., 139th F. A.			Portland
Co	ompany 'E', 113th Engineers			East Chicago
Co	ompany 'F', 113th Engineers			Hammond

Organization for Federal recognition of following units commenced:

Hdqtrs., 113th Engineers	Gary
Hdqtrs. and Service Company, 113th Engineers.	Gary
Hdqtrs. 2d Bn., 113th Engineers	Gary
Medical Detch. (Attached to 113th Engineers)	Gary

Organized for Federal recognition in compliance with Letter, O. I. C. N. G. A., 5th Corps Area, and awaiting authority from Militia Bureau:

Hdqtrs., 113th Medical Regiment	Indianapolis
Sanitary Company, 113th Medical Regiment	Indianapolis
Medical Supply Company, 113th Medical Regiment	Indianapolis
Medical Lab. Company, 113th Medical Regiment	Indianapolis

151st INFANTRY

HEADQUARTERS, JUNE 30, 1921

		Federal 1
Name	Rank Assignment	Recognition Station
		June 30, 1921Shelbyville
Robert E. Tappan	Lt. ColDuty-Hdqrs	June 30, 1921Indianapolis
Manford G. Henley		June 22, 1921 Indianapolis
William P. Weimar	CaptainAdjutant	June 30, 1921Shelbyville
••••	Chaplain	
	-	June 30, 1921Shelbyville
Robert R. Morrison	1st Lt Plans and Tng. Of	ffJune 30, 1921Shelbyville
	Intelligence Office	

HEADQUARTERS COMPANY, JUNE 28, 1921. ELEHART

O David Daring	Cantain	Tuna 98 1091	Tell-L

SERVICE COMPANY, JUNE 25, 1921. FRANKFORT

Federal
Name Rank Assignment Recognition Station Oakley E. Quick
Clarence D. Spencer. 1st Lt. Supply. June 25, 1921. Frankfort
Kenneth Skeen
Cecil H. Shawver
HOWITZER COMPANY, JUNE 25 1921. PORTLAND
Ethan A. Fulton
Paul E. Elliott. June 25, 1921 Portland
HEADQUARTERS AND HEADQUARTERS COMPANY
1st Battalion, June 13, 1921. Terre Haute
Gerhardt A. Monninger Major June 13, 1921 Terre Haute
Herman A. Collins
COMPANY A, APRIL 27, 1921. NEWCASTLE
*Glen C. Williams
Fred Sharp
COMPANY B. JUNE 15, 1921. FLORA
*William R. Yundt
Robert W. Nimmins. 1st Lt. June 15, 1921 Bringhurst Russell L. Ledman. 2nd Lt. June 15, 1921 Flora
COMPANY C, APRIL 4, 1921. FRANKFORT
*Ralf C. Paddock
*Everett R. Coin 1st Lt Frankfort *George B. Washburn 2nd Lt Frankfort
George B. Washburn 2nd Lt. Frankfort
COMPANY D (Machine Gun) DECEMBER 9, 1920. INDIANAPOLIS
*Albert H. WhitcombCaptainApril 1, 1921Indianapolis
*Russell C. Lane
*Edgar Allen Poe
Headquarters and Headquarters Company
2nd Battalion, June 16, 1921. Shelbyville
Wendell B. Montgomery. Major. June 30, 1921. Frankfort 1st Lt. Adjutant
COMPANY E MARCH 1, 1921. SHELBYVILLE
George C. Rokobrant
James V. Briggs. 1st Lt. Mch. 1, 1921. Shelbyville George B. Kimberling. 2nd Lt. Mch. 1, 1921. Shelbyville
COMPANY F, APRIL 11, 1921. MARTINSVILLE
Roy Slough
Harry Wood
Ernest A. Leonard
Company G, February 2, 1921. Ladoga
*Bart McGuire
*Burroughs Agin
Hugh R. Barnes
COMPANY H (Machine Gun), APRIL 26, 1921. INDIANAPOLIS
William H. Kleifgen Captain April 26, 1921 Indianapolis
Emmett S. Tolle 1st Lt. April 26, 1921 Indianapolis Arch D. Ball. 2nd Lt. Sept. 19, 1921 Indianapolis
Mon D. Main

HEADQUARTERS AND HEADQUARTERS COMPANY 3RD BATTALION MAY 23, 1921. GOSHEN

	0.00 20.11		77 7 7
Name	Rank	Assignment	Federal Recognition Station
			June 24, 1921Goshen
Frank F. Abbott	180 110	Adjutant	
	Commun	I Dramanna 9 1000	Ammaga
	COMPAN	Y I, DECEMBER 8, 1920.	ATTICA
James E. Rodenbeck	Captain.		
*William H. White	1st Lt		
Fred M. Sellers	2nd Lt		Aug. 31, 1921 Attica
	Company	K, May 20, 1921. For	r Wayne
			24 00 1001 77 177
Harry J. Swartz	2nd Lt	• • • • • • • • • • • • • • • • • • • •	
	C	T 7 04 4004 C	
	COMPANY	L, June 24, 1921. Gre	ENSBURG
Philip B. Stapp	Captain		June 24, 1921Greensburg
Sanford L. Starks	1st Lt		June 24, 1921Greensburg
Charles F. Marlin	2nd Lt		Greensburg
Co	MPANY M. (Ma	chine Gun), MAY 25, 192	1. Indianapolis
			June 21, 1921Indianapolis
			Aug. 23, 1921Indianapolis
John M. Kelly	2nd Lt	,	June 21, 1921Indianapolis
	_		
I	MEDICAL DEPAR	RTMENT, MAY 19, 1921.	Columbia City
David S. Linville	Major	M. C., Infantry	
			May 19, 1921Columbia City
			June 16, 1921Elkhart
Charles of Liaving,	Cuptuiii	· · · · · · · · · · · · · · · · · · ·	
			and the second second
		152nd INFANTRY	
	HEADO	QUARTERS, NOVEMBER 15,	1021
•			
			Nov. 15, 1921Indianapolis
	1st Lt	Duty Hdqrs	,
Thomas J. Bates	Captain	Adjutant	Nov. 15, 1921Indianapolis
Robert L. Husson	1st Lt	Plans and Tng. Off	
Fred C. Phinney	Captain	Intelligence Off	Oct. 18, 1921Indianapolis
He.	ADQUARTERS CO	MPANY, OCTOBER 18, 192	1. Indianapolis
Fred C Phinney	Cantain		Oct. 18, 1921 Indianapolis
Fred C. I minney	Captain	,	
	SERVICE COM	PANY, SEPTEMBER 19, 192	21. Colfax
			Sept. 19, 1921Colfax
*Damon C. Wray	,2nd Lt		Sept. 20, 1921Darlington
	HOWITZER COM	MPANY, OCTOBER 21, 1921	. PORTLAND
Harold C. Bynon	Cantain		Oct. 21, 1921Portland
			Oct. 21, 1921Portland

HEADQUARTERS AND HEADQUARTERS COMPANY 1ST BATTALION, OCTOBER 5, 1921. EVANSVILLE

Name	Rank	A and a more and	Federa	ıl a
*Louis L. Roberts		Assignment		
Owen H. Allen	.1st Lt	Adjutant	Oct. 5,	1921Evansville
		Остовек 5, 1921. Еу		-
Robert L. Stillwell				1021 Evansvilla
Tobert B. Duniwell				
Ferdinand J. Huffman	.2nd Lt		Oct. 5,	1921Evansville
	Company B, (Остовек 3, 1921. NE	W ALBANY	
Sam W. Walts				1921New Albany
Fred J. Bocard				1921New Albany 1921New Albany
100 months (100 months)		С, Остовек 4, 1921.	·	town,
Byron R. Colglazier				1921 Salem
Ira H. VanCleve:	_	* ,		
Luther C. Brown	.2nd Lt		Oct. 4,	1921Salem
Company	D, (Machine	Gun), September 14,	1921. South Ben	D
William L. Temple				
Frank O. Hogan				
				.outout. Dona
	-	S AND HEADQUARTERS ON, OCTOBER 7, 1921.		
	2MD DATIALI	· ·		TT*
Cleon Wade Mount				
	COMPANY E, SI	ертемвек 29, 1921. І	AFAYETTE	
Everett W. Timmons				
	COMPANY F,	September 23, 1921.	Dегьні	
James A. Whelan				
Floyd W. Julian				
Vernie H. Brown				921Delpm
		ертемвек 22, 1921. Б		
William B. Brann	Captain		Nov. 22, 1	921Rushville
*Eli A. Kinney *Wm. H. Hardwick	2nd Lt		Nov. 29, 1	921 Rushville
		e Gun), October 20, 1		
Albert C. Reeder	Captain		Oct. 20, 1	921Windfall
Loyd E. Landon	1st Lt		Oct. 20, 1	921Windfall
•••••	2nd Lt	• • • • • • • • • • • • • • • • • • • •		Windfall
		S AND HEADQUARTERS		
		ертемвек 22, 1921. І		
Pearle A. Davis				
		темвек 14, 1921. М		
Corwin B. Hartwick				921Mishawaka
Harold L. Hull	1st Lt		Sept. 14, 19	921Mishawaka

COMPANY K, SEPTEMBER 20, 1921. DARLINGTON

		Federal
Name	Rank Assignment	Recognition Station
Norman I Thompson	Captain	Sept. 20, 1921 Darlington
Norman 12. Thompson	2nd Lt	Sept. 20, 1921 Darlington
	Company L, November 7, 1921.	Warsaw
Lawrence O. Rarick	Captain	
John R. Steinbach	1st Lt	
Loren N. Menck	2nd Lt	
	Company M, October 24, 1921.	Marion
Paul A. Seiberling	Captain	Oct. 24, 1921 Jonesboro
	1st Lt	
Walter J. Frame	2nd Lt	Oct. 24, 1921Jonesboro
	MEDICAL DETACHMENT, OCTOBER 14, 1921	. Rensselaer
Ira M. Washburn	MajorM. C., Infantry	Oct. 14, 1921Rensselear
	CaptainM. C., Infantry	
	CaptainD. C., Infantry	
Snerman A. Pyirin	1st LtD. C., Infantry	Oct. 14, 1921Francesville
	·	
	181st FIELD ARTILLER	Y
	Headquarters, June 30, 19	21
	Colonel	
	Lt. Col Duty Hdqrs	
	CaptainAdjutant	
	Liaison Officer	
	CaptainChaplain	
	HEADQUARTERS BATTERY, FEBRUARY 27, 1	1921. Muncie
Percy P. Brush	Captain	Feb. 27, 1921Muncie
*Robert S. Miller	1st Lt	Aug. 3, 1921Muncie
	SERVICE BATTERY, APRIL 5, 1921.	MUNCIE
Guy I. Hagerty	Captain	July 25, 1921 Muncie
	1st Lt	
Jesse H. Townsend	2nd Lt	
Orrel M. Thompson	2nd Lt	
	HEADQUARTERS AND HEADQUARTERS D	ETACHMENT
•	1ST BATTALION, JUNE 30, 1921.	ANGOLA
Cuy I Shaughnisa	Major	June 30 1921 Angola
Samuel A. Pence		June 30, 1921Angola
George W. Holmes	1st LtPlans and Tng	June 30, 1921 Angola
Harry B. Wolfe	1st Lt Liaison	June 30, 1921 Angola
	HEADQUARTERS DETACHMENT AND COM	IBAT TRAIN
	1st Battalion, June 30, 1921. A	
Paul C. Cov	Captain	June 30, 1921Angola
	1st Lt	
	BATTERY A, FEBRUARY 7, 1921. K	Сокомо
Fred C. Gover	Captain	July 9, 1921Kokomo
Edwin G. Knepper	1st Lt	Feb. 7, 1921Kokomo
Donald F. Hall	1st Lt	July 9, 1921Kokomo
Oren K. Marquis	,2nd Lt	Kokomo
67—19930		

BATTERY B, JUNE 30, 1921. ELWOOD

	Tederal	
	cognition	Station
Eric E. Cox	30, 1921	Elwood
Fred G. Hileman 1st Lt June	20, 1921	Elwood
Hasting A. Sites 2nd Lt June	30, 1921	Elwood
and an extended an extended and an extended an extended an extended and an extended an extended and an extended and an extended an extended and an extended an extended and an extended an extended and an extended an extended an extended an extended and an extended an extended and an extended and an extended and an extended an	00, 1021	Enwood
Headquarters and Headquarters Detachment		
2nd Battalion, June 23, 1921. Bloomington		
Kenneth P. Williams Major June	23, 1921	Bloomington
Glen Burwell Woodward1st Lt		
David A. Wylie		
Trevor R. GaddisJuly	17, 1921	Bloomington
HEADQUARTERS DETACHMENT AND COMBAT TRAIN		
2nd Battalion, June 23, 1921. Spencer		
William R. Trent		
Paul R. WarkJune		
Paul L. Feltus	23, 1921	bloomington
BATTERY C, FEBRUARY 20, 1921. LAFAYETTE		
Verne W. Schuessler	20, 1921	Lafavette
Wilbur H. Young 1st Lt Feb.		
Emmitt L. Penrod1st LtFeb.		
Harold H. Keller		
BATTERY D, FEBRUARY 17, 1921. BLOOMINGTON		
George W. Reed		
Ray Borland		
Henry R. Springer 2nd Lt. Feb. Ray D. Beard 2nd Lt. June		
Ray D. DeardJune	4, 1921	Dioomington
HEADQUARTERS AND HEADQUARTERS DETACHMENT		
Headquarters and Headquarters Detachment 3rd Battalion, June 30, 1921. Madison		
3rd Battalion, June 30, 1921. Madison	30, 1921	. Madison
3rd Battalion, June 30, 1921. Madison Horace O. Woolford	30, 1921	. Columbus
3rd Battalion, June 30, 1921. Madison Horace O. Woolford. Major. June Don C. Essex. Captain. Adjutant. June	30, 1921	. Columbus
3rd Battalion, June 30, 1921. Madison Horace O. Woolford Major June Don C. Essex Captain Adjutant June 1st Lt. Hayden H. Bear 1st Lt. Liaison June	30, 1921	. Columbus
3rd Battalion, June 30, 1921. Madison Horace O. Woolford. Major. June Don C. Essex. Captain. Adjutant. June 1st Lt. Hayden H. Bear. 1st Lt. Liaison. June HEADQUARTERS DETACHMENT AND COMBAT TRAIN	30, 1921	. Columbus
3rd Battalion, June 30, 1921. Madison Horace O. Woolford. Major. June Don C. Essex. Captain. Adjutant. June 1st Lt. Hayden H. Bear. 1st Lt. Liaison. June Headquarters Detachment and Combat Train 3rd Battalion, June 30, 1921. Columbus	30, 1921 30, 1921	. Columbus
3RD BATTALION, JUNE 30, 1921. MADISON Horace O. Woolford. Major. June Don C. Essex. Captain. Adjutant. June 1st Lt. Hayden H. Bear. 1st Lt. Liaison. June HEADQUARTERS DETACHMENT AND COMBAT TRAIN 3RD BATTALION, JUNE 30, 1921. COLUMBUS Floyd Anderson. Captain. June	30, 1921 30, 1921 30, 1921	. Columbus . Madison . Elizabethtown
3RD BATTALION, JUNE 30, 1921. MADISON Horace O. Woolford Major June Don C. Essex Captain Adjutant June 1st Lt Hayden H. Bear 1st Lt Liaison June HEADQUARTERS DETACHMENT AND COMBAT TRAIN 3RD BATTALION, JUNE 30, 1921. COLUMBUS Floyd Anderson Captain June Harry R. Lister 1st Lt June	30, 1921 30, 1921 30, 1921 30, 1921	. Columbus . Madison . Elizabethtown . Columbus
3RD BATTALION, JUNE 30, 1921. MADISON Horace O. Woolford. Major. June Don C. Essex. Captain. Adjutant. June 1st Lt. Hayden H. Bear. 1st Lt. Liaison. June HEADQUARTERS DETACHMENT AND COMBAT TRAIN 3RD BATTALION, JUNE 30, 1921. COLUMBUS Floyd Anderson. Captain. June	30, 1921 30, 1921 30, 1921 30, 1921	. Columbus . Madison . Elizabethtown . Columbus
3RD BATTALION, JUNE 30, 1921. MADISON Horace O. Woolford Major June Don C. Essex Captain Adjutant June 1st Lt Hayden H. Bear 1st Lt Liaison June HEADQUARTERS DETACHMENT AND COMBAT TRAIN 3RD BATTALION, JUNE 30, 1921. COLUMBUS Floyd Anderson Captain June Harry R. Lister 1st Lt June	30, 1921 30, 1921 30, 1921 30, 1921	. Columbus . Madison . Elizabethtown . Columbus
3RD BATTALION, JUNE 30, 1921. MADISON	30, 1921 30, 1921 30, 1921 30, 1921 3, 1921	. Columbus . Madison . Elizabethtown . Columbus . Columbus
3RD BATTALION, JUNE 30, 1921. MADISON	30, 1921 30, 1921 30, 1921 30, 1921 3, 1921	ColumbusMadisonElizabethtownColumbusColumbusMadison
3RD BATTALION, JUNE 30, 1921. MADISON	30, 1921 30, 1921 30, 1921 30, 1921 3, 1921 23, 1921 1, 1921 23, 1921	. Columbus . Madison . Elizabethtown . Columbus . Columbus . Madison . Madison . Madison
3RD BATTALION, JUNE 30, 1921. MADISON	30, 1921 30, 1921 30, 1921 30, 1921 3, 1921 23, 1921 1, 1921 23, 1921	. Columbus . Madison . Elizabethtown . Columbus . Columbus . Madison . Madison . Madison
Sard Battalion, June 30, 1921. Madison	30, 1921 30, 1921 30, 1921 30, 1921 3, 1921 23, 1921 1, 1921 23, 1921	. Columbus . Madison . Elizabethtown . Columbus . Columbus . Madison . Madison . Madison
3RD BATTALION, JUNE 30, 1921. MADISON	30, 1921 30, 1921 30, 1921 30, 1921 30, 1921 23, 1921 1, 1921 23, 1921 14, 1921	. Columbus . Madison . Elizabethtown . Columbus . Columbus . Madison . Madison . Madison . Madison
3RD BATTALION, JUNE 30, 1921. MADISON	30, 1921 30, 1921 30, 1921 30, 1921 3, 1921 23, 1921 1, 1921 24, 1921 14, 1921 11, 1921	. Columbus . Madison . Elizabethtown . Columbus . Columbus . Madison . Madison . Madison . Madison . Madison . Evansville
3RD BATTALION, JUNE 30, 1921. MADISON	30, 1921 30, 1921 30, 1921 30, 1921 3, 1921 23, 1921 1, 1921 24, 1921 14, 1921 11, 1921 6, 1921	. Columbus . Madison . Elizabethtown . Columbus . Columbus . Madison . Madison . Madison . Madison . Evansville . Evansville
3RD BATTALION, JUNE 30, 1921. MADISON	30, 1921 30, 1921 30, 1921 30, 1921 31, 1921 23, 1921 11, 1921 11, 1921 6, 1921	. Columbus . Madison . Elizabethtown . Columbus . Columbus . Madison . Madison . Madison . Madison . Evansville . Evansville . Evansville
3RD BATTALION, JUNE 30, 1921. MADISON	30, 1921 30, 1921 30, 1921 30, 1921 31, 1921 23, 1921 11, 1921 11, 1921 6, 1921	. Columbus . Madison . Elizabethtown . Columbus . Columbus . Madison . Madison . Madison . Madison . Evansville . Evansville . Evansville
3RD BATTALION, JUNE 30, 1921. MADISON	30, 1921 30, 1921 30, 1921 30, 1921 31, 1921 23, 1921 11, 1921 11, 1921 6, 1921	. Columbus . Madison . Elizabethtown . Columbus . Columbus . Madison . Madison . Madison . Madison . Evansville . Evansville . Evansville
3RD BATTALION, JUNE 30, 1921. MADISON	30, 1921 30, 1921 30, 1921 30, 1921 31, 1921 23, 1921 11, 1921 11, 1921 6, 1921 30, 1921	. Columbus . Madison . Elizabethtown . Columbus . Columbus . Madison . Madison . Madison . Madison . Madison . Evansville . Evansville . Evansville . Evansville
3RD BATTALION, JUNE 30, 1921. MADISON	30, 1921 30, 1921 30, 1921 30, 1921 31, 1921 23, 1921 11, 1921 14, 1921 6, 1921 30, 1921 30, 1921	. Columbus . Madison . Elizabethtown . Columbus . Columbus . Madison . Madison . Madison . Madison . Evansville . Evansville . Evansville . Evansville . Evansville . Evansville
3RD BATTALION, JUNE 30, 1921. MADISON	30, 1921 30, 1921 30, 1921 30, 1921 30, 1921 23, 1921 1, 1921 14, 1921 11, 1921 30, 1921 30, 1921 30, 1921 30, 1921 30, 1921	. Columbus . Madison . Elizabethtown . Columbus . Columbus . Madison . Madison . Madison . Madison . Evansville . Evansville . Evansville . Evansville . Evansville . Evansville

139TH FIELD ARTILLERY

HEADQUARTERS AND HEADQUARTERS DETACHMENT 18T BATTALION, NOVEMBER 21, 1921. INDIANAPOLIS

			Federal	
Name ; ,	Rank	Assignment	Recognition	Station
John S. Fishback	Major			Indianapolis
Ralph Gregory	Captain			Indianapolis
William B. Kurtz	1st Lt			Indianapolis
		D C	m	•
		RS DETACHMENT AND CO		
	1st Battalio	N, OCTOBER 25, 1921.	Noblesville	
Joseph L. Klotz	Captain	2. 4		Noblesville
Truman A. Tochterman	1st Lt		Oet. 25, 1921	Noblesville
Fred A. Conkle	2nd Lt	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Oct. 25, 1921	. Noblesville
	BATTERY.	A, June 6, 1921. India	ANAPOLIS	
Marlin A. Prather	Captain		June 6, 1921	Indianapolis
			June 6, 1921	
Cecil L. York	1st Lt		June 6, 1921	Indianapolis
Clarence E. Clift	2nd Lt		June 6, 1921	Indianapolis
	Rammar D	Остовек 10, 1921. Ім	DIAM POLICE	
	·	· ·		
*Frederick E. L. Killen				
Elmer F. Straub				
Forrest H. Spencer				
Gipson W. Hastings	2nd Lt	• • • • • • • • • • • • • • • • • • • •	Oct. 10, 1921	. Indianapolis
	BATTERY C. N	NOVEMBER 21, 1921. In	IDIANA POLIS	
D 177 000 1 T				
Bryant W. Gillespie, Jr	_			-
Henry H. Johnson Kenneth W. Hurst				
Garrett W. Olds				
Garrett W. Olds	2110 176			enoquanami
		113TH ENGINEERS		
•	TT	1 D M 00	1001 C	
	HEADQUARTERS,	1st Battalion, May 28	3, 1921. GARY	
Arthur P. Melton				
Robert E. Richardson	1st Lt	Adjutant	April 29, 1921	.Gary
	Courses	NY A, APRIL 18, 1921.	GARY	
Jacob T. Schless				
Franklin M. Reck				
Merchant A. Montross	2nd Lt		June 10, 1921	. Gary
	Compan	NY B, APRIL 29, 1921.	Gary	
Frank L. Gray	Captain			. Garv
John R. Smith				
Otto L. Weber				
	~	C 35 40 405		
	Сомра	NY C, MAY 13, 1921. (JARY	
Joseph V. Brennan				
John R. Mick				
Almus L. Pfleeger	2nd Lt			. Gary
	COMPANY D. NO	OVEMBER 18, 1921. IND	IANA HARBOR	
Toronk M Wellers		·		Indiana Wash
Joseph M. Wallace Franklin Glenn				
Richard O'Connell				
Inchard O Conneil				. radiana mai not

YEAR BOOK

38th SIGNAL CORPS, June 10, 1921. Garv

38th SIGNAL CORPS, June 10, 1921. Gary			
37	Federal		
Name Rank Assignment	Recognition Station		
Randolph B. WilkinsonCaptain			
Oscar G. Bachman 1st Lt			
Eugene E. Lawrence			
Bradford Eyman 1st Lt			
Lloyd H. Wade	June 16, 1921Gary		
Severin T. Haviland2nd Lt	Gary		
	-		
QUARTERMASTER	CORPS		
Motor Transport Corps No. 149, Apr			
Robert E. Bragg1st Lt	Oct. 1, 1921Indianapolis		
Frederick N. Trotter2nd Lt			
137TH SQUADRON (Observation), AIR SER	VICE, August 1, 1921. Kokomo		
Wilber M. Fagley Major	Aug 1 1021 Kokomo		
Sigmond Thalman Captain			
John W. Ziegler 1st Lt.			
Charles R. Bowers 1st Lt			
Ralph C. Owen			
Benjamin R. Jacobi 1st Lt			
Benjamin A. Gentry2nd Lt			
Ernest A. Cutrell 2nd Lt.			
Lawrence I. Aretz	= :		
Harold E. Smith 2nd Lt			
Clyde Shockley	Aug. 1, 1921 Kokomo		
Hollace E. Mayfield2nd Lt			
Ray T. Rowney 2nd Lt			
Carl G. Yearling 2nd Lt.			
Stuart B. Davis2nd Lt			
Hugh R. Perry2nd Lt			
	-		
AMBULANCE C	ORPS		
Ambulance Company No. 137, Jun	LY 22, 1921. MARION.		
Otis W. McQuownCaptain	July 22,1921Marion		
Ambulance Company No. 138, Ju	LY 28, 1921. MARION		
Glen D. KimballCaptain	July 22, 1921 Marion		
Old Distance of the Control of the C			
	-		
STATE ADMINISTRATIVE	E STAFF CORPS		
Adjutant General's Departs	MENT, JULY 1, 1921		
Harry B. Smith, Brig. Gen., Adj. Gen., July 1, 1921	Indianapolis		
I	Towns II was as		
Inspector General's Department	MENT, INDIANAPOLIS		

QUARTERMASTER CORPS

Will U. Jericho, Lt. Col., U. S., P. & D. Officer, August 20, 1917	: Indianapolis
*Robert J. Axtell, Major, Q. M. C	. Indianapolis
George R. Gawehn, Capt., Q. M. C., August 25, 1921	. Fort Wayne
Burton P. Kingsbury, 1st Lt., Q. M. C.	. Indianapolis
Ordnance Department	
Milo D. Snyder, Lt. Col., Ordnance Officer	. Cromwell
MEDICAL DEPARTMENT	
John J. Boaz, Lt. Col., Chief Surgeon	Indiananolis

*NOTES

151st INFANTRY

- Eugene Lathe, Capt. Transferred to surplus officers list S. O. No. 47, A. G. O., August 25, 1921.
- Murray Smith, 1st Lt. Promoted to 1st Lt. to fill vacancy caused by the promotion of Capt. Glen C. Williams.
- Ted Van Blaricum, Capt. Resigned on account of business necessity. Resignation accepted S. O. No. 56, A. G. O., Oct. 25, 1921.
- Horace D. Freas, 1st Lt. Resigned on account of removal from home station. Resignation accepted S. O. No. 56, A. G. O., Oct. 25, 1921.
- Everett R. Coin, 2nd Lt. Promoted 1st Lt. S. O. No. 56, A. G. O., October 25, 1921, to fill vacancy caused by the resignation of 1st Lt. Horace D. Freas.
- George B. Washburn, 2nd Lt. Appointed 2nd Lt. and assigned to Co. "C" S. O. No. 56, A. G. O., October 25, 1921, to fill vacancy caused by the promotion of Lt. Everett R. Coin.
- Frank E. Livengood, Capt. Transferred to surplus officers' list S. O. No. 16, A. G. O., April 1, 1921.
- Frederick E. L. Killen, 1st Lt. Transferred to surplus officers' list S. O. No. 16, A. G. O., April 1, 1921.
- Atlee P. Slentz, 2nd Lt. Resigned February 17, 1921, S. O. No. 10, A. G. O.
- Burroughs Agin, 2nd Lt. Promoted 1st Lt. to fill vacancy caused by promotion of 1st Lt. Claude M. Proctor, S. O. No. 40, A. G. O., June 30, 1921. Resignation accepted S. O. No. 60, A. G. O., Nov. 30, 1921.
- Bart McGuire, Capt. Transferred to surplus officers' list May 26, 1921, S. O. No. 32, 1921. Transferred from surplus list and returned to duty in command of Co. "G" 151st Inf., S. O. No. 47, A. G. O., August 25, 1921.
- Claude M. Proctor, 1st Lt. Promoted Captain, S. O. No. 40, A. G. O., June 30, 1921. Transferred to surplus officers' list S. O. No. 47, A. G. O., August 25, 1921.
- Chalmers Browne, 2nd Lt. Transferred to surplus officers' list S. O. No. 47, A. G. O., August 25, 1921.
- Howard R. Inebnit, 1st Lt. Resignation accepted S. O. No. 56, A. G. O., October 25, 1921.
- Garland H. Steinbaugh, 1st Lt. Resignation accepted S. O. No. 48, A. G. O., August 31, 1921.
- Wm. H. White, 2nd Lt. Promoted 1st Lt., S. O. No. 48, A. G. O., August 31, 1921.
- Kenneth L. Hodges, 2nd Lt. Resignation accepted S. O. No. 55, A. G. O., October 25, 1921.
- Chris. F. Kirkoff, 1st Lt. Transferred to surplus officers' list S. O. No. 47, A. G. O., August 25, 1921.

152nd Infantry

- Damon C. Wray, 2nd Lt. Transferred from Co. K" 152nd Inf. to Service Company, Sept. 20, 1921.
- Louis L. Roberts, Capt. Promoted Major of Infantry, S. O. No. 55, A. G. O., October 20, 1921, and assigned to First Battalion 152nd Infantry.
- Scott E. Buell, 1st Lt. Appointed 1st Lt., S. O. No. 45, A. G. O., August 5, 1921. Resignation accepted S. O. No., 59 A. G. O., November 22, 1921.
- Eli A. Kinney, 2nd Lt. Appointed 2nd Lt., S. O. No. 45, A. G. O., August 5, 1921. Promoted 1st Lt., S. O. No. 59 A. G. O., November 22, 1921.

181st Field Artillery

- Albert V. Gough, 1st Lt. Transferred from Headquarters Battery to Service Battery by direction of the C. O. 181st F. A., July 30, 1921.
- Wm. G. Downs, Jr., 2nd Lt. Promoted 1st Lt., S. O. No. 56, A. G. O., October 25, 1921, to fill vacancy on account of promotion of Lt. Noel C. Ruddell
- Frederick E. L. Killen, Capt. Transferred from surplus list to First Separate Company as recruiting officer.

 Transferred as recruiting officer of First Separate Company to Field Atillery, S. O. No. 37, A. G. O., Dec. 10, 1920.

STATE STAFF CORPS

Wm. H. Kershner, Major. Resignation accepted as Inspector General, State Staff Corps, S. O. No. 60, A. G O., November 30, 1921.

STRENGTH

January 1, 1921

5 Officers: 88 Enlisted Men; Total, 93.

July 1, 1921

135 Officers; 2,165 Enlisted Men; Total, 2,300.

November 30, 1921

229 Officers; 4,297 Enlisted Men; Total, 4,526.*

In the "Progress of the National Guard of the United States," issued by the Militia Bureau on January 1, 1921, the State of Indiana was credited with 1 per cent having received Federal recognition. The standing of Indiana in comparison to the National Guard of the other states is as follows:

January	44"	1 %	July	4"	84 %
February	45"	2.5%	August	15"	39 %*
March	47"	4 %	September	8" .	**
April	44"	10 %	October	8"	65 %
May	37"	.38 %	November	?	75 %
June	14"	66 %			

It will be noticed by the above chart that the progress in the growth of the Indiana National Guard has been gradual. This growth was regulated by the inspections made of each organization when reported ready for Federal recognition in order to assure this office that all the requirements for Federal recognition had been complied with by the prospective organization commander.

Several of the states have organized what could be classed as a "Mushroom National Guard," which springs up in a night and collapsed the following day. This is not the case with the Indiana National Guard. Each organization is founded on a firm foundation and an inspection of the Indiana National Guard will demonstrate the truth of this statement.

[?] Militia Bureau report not received.

^{*} Increase for fiscal year ending June 30, 1922, included.

^{**} Delay in crediting several organizations having received Federal recognition during month by Militia Bureau. Accounted for in October.

The officers were selected from the most efficient service officers and the enlisted men from the substantial citizens of enlistment age. Over 97 per cent of the officers are veterans of the World War with overseas experience. The percentage of enlisted men is much smaller as this office decided that 30 per cent of ex-service enlisted men was sufficient for instruction purposes.

The policy of not advocating the enlistment of ex-service men in the National Guard of this state was for the purpose of having a reserve, in addition to the National Guard, available in times of emergency. The placing of these ex-service men in the organized reserves instead of enlisting them in the National Guard would afford the organization of the 84th Division of Organized Reserves of Indiana an opportunity of organizing on a solid foundation. The following extract from the report of Colonel Edward A. Root, Infantry, U. S. Army (Regular), Chief of Staff, 84th Division of Organized Reserves of Indiana, is indicative of the benefits derived by him by the policy adopted by this office:

"Hearty support is being given by a number of Adjutants General in various states in the formation of Officers' Reserve Corps, and they are co-operating in every way with the officers of the Regular Army in perfecting the organization.

"An example of this co-operation between the National Guard and the Organized Reserves is that of the National Guard of Indiana, which through the efforts of Brig. General Harry B. Smith, the Adjutant General, and Major Albert T. Rich, Inf., U. S. A., Instructor, is showing the most friendly interest in the building up of the Organized Reserves.

"A scheme has already been put into effect by the organization commanders of the Indiana National Guard by which only about 30 per cent of the enlisted personnel are ex-service men, thereby leaving 70 per cent for the Organized Reserves.

"The armories of the Indiana National Guard have been offered for the use of Reserves, and this includes the use of equipment, publications and other material necessary for the instruction of a Reserve organization. Officers and enlisted men of the Organized Reserves have been extended a cordial invitation to attend any drill or exercise of a unit, and this has been taken advantage of in some localities.

"Great pains have also been taken by officers to explain to the enlisted men of the National Guard, what the War Department is trying to accomplish in organizing the National Guard of Reserves.

"The Adjutant General, in a recent letter to Colonel Root, whose headquarters are at Indianapolis, assured him of the hearty co-operation of the National Guard of Indiana, and stated that all its officers, serving in any capacity, will give you their assistance in helping you perfect the organization of the Officers' Reserve Corps. He also stated that it is believed at this time that more than 90 per cent of the officers in the Indiana National Guard who have received Federal recognition are members of the Officers' Reserve Corps.

"Major Rich also has written to Colonel Root that the Indiana National Guardsmen consider it a part of their military obligation as members of the military force of the United States to co-operate and assist

the Reserves, and also that his office is at the disposal of Colonel Root, whenever it can be of assistance to him."—A. and N. Journal, December 3, 1921.

CLOTHING AND EQUIPMENT

All clothing and equipment of the enlisted personnel is furnished by the Federal government upon requisition. Immediately upon receipt of Federal recognition organization commanders submit requisitions for their units.

A great deal of delay in filling these requisitions by the Federal authorities occasioned some dissatisfaction in the Indiana National Guard units because of the lack of proper facilities with which to conduct drills or instruction schedules. Through an arrangement between this office and the Federal authorities by which the State of Indiana assisted in the financing of the transportation of the necessary clothing and equipment from the Federal depots, the requisitions are being filled at the present time without delay.

The character of the clothing and equipment furnished is similar to that issued to the Regular Army and is of a very satisfactory quality.

ARMORIES

At the commencement of the organization of the Indiana National Guard the question of armories presented a very serious problem. In order to have an efficient unit it is very essential that proper housing facilities be arranged. Through an armory board appointed, at the suggestion of this office, by the Governor of the State of Indiana, the question of armories is readily taken care of. At the present time arrangements have been perfected whereby each organization in the Indiana National Guard is or will be provided with a suitable armory for drill instruction and storage of government property. The actions of the civilian in the localities where a National Guard unit has been organized have been very commendable in the question of armory arrangements. It is anticipated that within a very few years suitable armories will be provided for every unit in the National Guard.

PAY

All officers and enlisted men having received Federal recognition are paid by the Federal government semi-annually: June 30th and December 31st. These pay rolls are prepared by the organization commander and submitted to the senior instructor for check and verification, in quadruple. These rolls are submitted, after the instructor's verification to the Finance Officer, Fifth Corps Area, from whose office payments are made.

INSTRUCTION AND TRAINING

The instruction and training of the National Guard is under the supervision of officers and non-commissioned officers detailed from the Regular Army to the various branches in the National Guard. From the beginning of the World War until the early part of this year this

state was not furnished with this personnel. At the present time there have been placed on duty with the Indiana National Guard the following Regular Army personnel:

Infantry

Indianapolis	Major Albert T. Rich, Infantry, D. O. L.	Reported February 2, 1921
Indianapolis	Sergeant Bert Cordle, Infantry, D. R. M. L.	Reported March 3, 1921
Indianapolis	Sergeant Michael F. Scully, Infantry, D. E. M. L.	Reported March 8, 1921
South Bend	Sergeant Lee C. Steele, Infantry, D. E. M. L.	Reported October 11, 1921
Shelbyville	Sergeant Bert Dankert, Infantry, D. E. M. L.	Reported August 22, 1921
Shelbyville Frankfort	~	Reported August 22, 1921 Reported November 5, 1921

Field Artillery

indianapons	Major Ray W. Barker, F. A., D. O. L.	Reported Nov. 17, 1921			
Indianapolis	Sergeant Knox B. Chadwell, F. A., D. E. M. L.	Reported October 7, 1921			
Kokomo	Sergeant George E. Grace, F. A., D. E. M. L.	Reported Sept. 20, 1921			
Madison	Sergeant Sigmund Jakuboski, F. A., D. E. M. L.	Reported October 24, 1921			
Bloomington	Sergeant William A. Sebastian, F. A., D. E. M. L.	Reported October 24, 1921			
	Personnel relieved from duty with National Guard				
Gary	Sergeant Andrew P. Wotring, Eng., D. E. M. L.	Reported May 28, 1921			

Kokomo Captain Wallace W. Crawford, F. A., D. O. L. Relieved Sept. 18, 1921 Reported July 6, 1921 Relieved October 24, 1921

Pending the arrival of additional instructors from the Regular Army, the senior instructor, infantry, was given the assistance of the following instructors on duty with the Ohio National Guard:

Medical Troops

Columbus, Ohio	Lieut Col	E E Persons	M.C. D.O.L.	' · Son	tember 22 1921

Field Artillery

	r tetti All	enter g	
Canton, Ohio	Captain Russell G. Barkalow, F.	A., D. O. L.	September 23, 1921
			Relieved November 17 1091

The drill periods from January 1st to June 30th were devoted to organization and equipment of the recognized units.

In anticipation of the Instruction Schedules being issued by the War Department for the National Guard, the instruction of the units has been conducted along the line specified by the Commanding General, 5th Corps Area. Certain subjects were assigned for each month from October to May, inclusive. The interest displayed by the officers and men so far has been very commendable. A very keen interest has been taken in the work and very good progress has been made. The new scheme for the instruction of the officers by means of an Officers' Correspondence School will be inaugurated by the Corps Commander for the period commencing January 1, 1922. This course will require careful attention on the part of every officer to the preparation for his examination.

Every officer in the National Guard will be examined within one year after his Federal recognition. The examinations for the officers of the Indiana National Guard will commence in January, 1922.

Camps of instruction for the Indiana National Guard were conducted in compliance with Letter, Commanding General, 5th Corps Area, dated May 3, 1921, at the following stations. These camps were entirely

voluntary in regard to the attendance of the members of the National Guard:

June 13 to 16, 1921-Fort Benjamin Harrison, Indiana.

General Officers, Officers of the General Staff, Adjutants, Inspectors, Ordnance Officers, Quartermasters, Finance Officers, Medical Officers, Property and Disbursing Officers, and other officers of the State Staff Corps. Attendance: 4 officers.

June 6 to 9, 1921-Camp Knox, Kentucky.

Officers and non-commissioned officers, Field Artillery. Attendance: 22 officers, 58 enlisted men.

June 20 to 23, 1921.

Officers and non-commissioned officers, Infantry, Engineers and Signal. Attendance: Infantry, 24 officers, 115 enlisted men; Engineers, 9 officers, 49 enlisted men; Signal, 3 officers, 10 enlisted men.

Total attendance, 62 officers, 232 enlisted men.

This representation was very satisfactory owing to the recent organization of the National Guard units in this state. The National Guardsmen attending these camps of instruction benefited greatly by this opportunity. Very favorable reports have been received from the commanding officers of these camps of instruction on the appearance, conduct and efficiency of the officers and men.

The field training of the Indiana National Guard was held at Camp Knox, Kentucky, for the Infantry and auxiliary arms from August 7 to 21, 1921, and for the Field Artillery from August 9 to 23, 1921.

Over 90 per cent of the Indiana National Guard attended this field training.

The reports received from the Regular Army Instructors were very favorable. The National Guardsmen made a splendid appearance; their conduct was gentlemanly and their efficiency a matter of very favorable comments. The officers and enlisted men displayed the greatest interest in their work and were greatly benefited by the instruction received. This splendid opportunity for field instruction was extended to officers of the Indiana National Guard awaiting Federal recognition. Many availed themselves of this opportunity.

SERVICE SCHOOLS

It was anticipated that the officers of the Indiana National Guard would be able to attend the various service schools established throughout the country by the War Department but owing to insufficiency of Federal funds only two Infantry officers were allowed to attend the Infantry School at Camp Benning, Georgia. The instruction received by these men will be of the greatest professional value to their organizations upon their return. It is hoped that the coming year will afford more officers this opportunity.

The theoretical instruction by the organization commanders has been badly handicapped by the lack of the necessary publications. The publications have been requisitioned but owing to the increase in the National Guard throughout the country it has been impossible for the Militia Bureau to furnish them in sufficient quantities. However this will be remedied within a very short time and the publications furnished.

PHYSICAL INSTRUCTION AND ATHLETICS

A thorough course in physical training has been arranged for by this office so that all officers and enlisted men in the Indiana National Guard will be kept in the best of physical condition. Physical qualifications are considered as very essential for an efficient personnel and with that end in view athletics have been made a part of the National Guardsmen's duties. Basketball, football, baseball and other teams have been organized for the purpose of bringing the importance of physical fitness to a prominent position in Indiana. Teams are arranged in leagues and the wining team of each league will play for the state championship in the National Guard.

The spirit with which the personnel of the Indiana National Guard has taken hold of the instruction and training as laid down in orders from the War Department and the corps commander is very gratifying to the Adjutant General and it is indicative of a very efficient organization and one that all the people of Indiana will be justly proud of.

On November 4, 1921, the Indiana National Guard was ordered to take part in the celebration given in honor of Marshal Foch, the commander of the Allied Armies in Europe. The attendance was voluntary and this office is very proud to state that nearly four thousand National Guardsmen attended. Many of the organizations had not received their clothing nor their equipment from the Federal authorities but nevertheless they volunteered and paraded in civilian clothes. The National Guard made a very fine appearance and were the recipients of the highest praise from not only Marshal Foch but the American officers attending the ceremonies with him. The following is a communication received by the Governor of Indiana from the Commanding General, 5th Corps Area:

HEADQUARTERS FIFTH CORPS AREA

Fort Benjamin Harrison Indiana

November 10, 1921.

Hon, Warren T. McCray, Governor of Indiana, Indianapolis, Indiana.

Dear Sir:

I wish to congratulate you upon the splendid appearance of the Indiana National Guard at the review given to Marshal Foch on November 4th. It is a force that the state may well be proud of.

The excellent condition of the equipment of the Battery from Madison showed painstaking care and attention and was a subject of much favorable comment.

Very sincerely,

G. W. READ, Major General, U. S. Army.

RIFLE PRACTICE

The strides made in rifle practice throughout the Indiana National Guard are worthy of special mention. A thorough course in theoretical and practical rifle and pistol marksmanship was prepared by this office in the spring of 1921 for the units of the National Guard. Owing to the lack of outdoor and indoor rifle ranges it was not possible to extend the instruction beyond the theoretical stage. Also, approximately 70 per cent of the enlisted men in the National Guard were recruits. Therefore it was requisite that the elementary work be entered into very extensively. The commanding officers of the newly organized units took up the work directed with a spirit of keen appreciation of the object in view.

Rifle marksmanship was entered into much more extensively than pistol marksmanship because the facilities at hand favored this course.

Rifle and revolver shooting since its introduction to the Indiana National Guard in 1905 has been an important factor in improving the morale of the various organizations, in keeping the enlisted personnel interested, and has been a wonderful help in the matter of securing recruits. Officers of long service have remarked that those organizations which are interested in shooting and whose officers make an effort to have all their men trained in marksmanship are invariably organizations which can be classed as high grade and which receive excellent reports from the Federal inspector.

Much has been said about the various methods of training in vogue in the United States at the beginning of the World War. Many new systems have been inaugurated and some effort has been made to justify methods that were incorporated in the field service regulations. However, there has been no criticism regarding American marksmanship, except the fact that there were not sufficient men in the Army who had been well trained in this important part of the military game.

One of the first messages received from General Pershing regarding the training of the new army was "teach them how to shoot," and in order to comply with the General's request there was established at Camp Perry, Ohio, a small-arms firing school for the purpose of training officers to become instructors in marksmanship. The instructors selected for this school were with two or three exceptions National Guard officers. Something like fifty were appointed and five of them were from Indiana. This in itself should be proof that marksmanship as taught in Indiana was sanctioned by the War Department, and that some of our officers were well enough versed in the art of shooting to assist in formulating the system whereby the army was to be trained.

Before the war there was growing up a theory, based largely upon German teaching, to the effect that individual training in the use of the rifle was unimportant. There was a clique of officers in the United States Army who were so impressed by the problems in "musketry" that they lost sight of the vital part of the whole thing, i. e., that the individual training which gives a soldier confidence in his ability to use the weapon with which he is armed, and soared around in a cloud of mathematical shooting which in a few years might have been a serious menace to the efficiency of the American army.

During the period of the war the Military Department of the State of Indiana kept closely in touch with developments and decided that shooting was one of the things which should form an essential part of the training of any state troops that might be organized after the conflict ended. In order to keep the game alive and to have available in case of emergency men who would have some knowledge of the intricacies of long-range shooting, and who would be qualified to instruct others, the state organized civilian rifle clubs and brought teams representing these clubs together at frequent intervals in order that they might be stimulated in their work and that they might profit by exchanging ideas and entering into friendly competition with each other. In addition to the assistance these clubs received from the state, they are further encouraged in their work by the Federal government. The Federal government, recognizing the fact that the potential soldier is the civilian trained in the use of arms, permits all clubs organized with the approval of the Adjutant General and affiliated with the National Rifle Association, to purchase from the Ordnance Department rifles, ammunition and target material at cost. There is also a gratuitous issue of rifles and ammunition based upon the number of members.

The General Scheme for Rifle Marksmanship, published by the War Department, June, 1920, was adopted by the Indiana National Guard. The following extracts from this publication are indicative of the methods employed by this office in the instruction of the National Guard:

"1. Object of Instruction. Military Rifle Firing is divided into two parts: 'Rifle Marksmanship,' in which the men are taught to be good shots, and 'Musketry,' in which they learn to act as a team under the leadership of the squad, section and platoon leaders to obtain the maximum fire effect on an enemy.

"Rifle Marksmanship and Musketry are inseparably related. Neither one alone will win battles without undue losses. In the training on the rifle range it must be borne in mind that the ultimate object is to make a team whose accurate fire can be controlled, directed and distributed in battle by a leader.

"2. The methods prescribed are a result of the careful study of the subject over a long period of time and have been thoroughly tested on a very large number of organizations, both in time of peace and in time of war.

"Organizations undergoing rifle training will follow the methods laid down carefully and in detail. There is a large field for individual initiative on the part of organization commanders in ways and means adopted to sustain the interest and enthusiasm within the organizations. These usually take the form of competitions, both in the preparatory exercises and range practice, between individuals, squads, platoons and companies, and of additional exercises along the general lines of those prescribed."

Owing to the lack of suitable target ranges available for the units of the National Guard it was not possible to afford the National Guardsmen the opportunity of demonstrating the benefits derived from the theoretical instruction. Target practice was held at Camp Knox during the field training in August and all the units were able to participate. However, this instruction was not of a very material value, owing to the limited time available. The entire course was shot in three days, two days being devoted to preliminary instruction and firing and one day to record practice. Only about 11 per cent qualified as marksmen or better but all of the men participating in the course became familiar with range conditions.

Outdoor and indoor target ranges are being established at the stations of the National Guard units and it is anticipated that the year 1922 will see vast improvement in target practice.

In preparation for the National Matches held at Camp Perry, Ohio, in August and September, 1921, approximately 200 selected officers and enlisted men were sent to Fort Benjamin Harrison, Indiana, for a competitive test. The following officers and enlisted men were selected to represent the Indiana National Guard at the National Matches:

Team Captain: Major Manford G. Henley, 151st Infantry. Members: Captain Edwin C. Ball, 151st Infantry; Captain Jerry B. Garland, 181st F. A.; Captain George R. Gawehn, 151st Infantry; Captain Basil Middleton, 151st Infantry; Captain Milo D. Snyder, 181st F. A.; 1st Lieut. Barret W. Ball, 151st Inf.; 1st Lieut. John F. Houck, 151st Inf.; 2nd Lieut. John M. Kelly, 151st Infantry; 1st Sergt. R. L. Kimball, Co. "C," 151st Inf.; Staff Sergt. John Yuhasz, Co. "C," 113th Eng.; Sergt. Lewis S. Chittum, Co. "A," 113th Engineers; Sergt. Shideler H. Harp, Co. "M," 151st Infantry; Sergt. Jackson McCoury, Co. "M," 151st Infantry; Pvt. William J. Nassenstein, Co. "K," 151st Infantry.

In compliance with Bulletin No. 4, W. D., dated March 12, 1921, and Circular Letter No. 34, Militia Bureau, May 24, 1921, General Orders No. 29, A. G. O., Indiana, August 6, 1921, was issued directing the above named officers and men proceed to Camp Perry, Ohio, to represent the State of Indiana in the National Rifle Competitions. The Infantry Instructor, Major Albert T. Rich, Infantry, D. O. L., U. S. Army, was requested to accompany the state rifle teams as the representative of the Adjutant General.

Paragraph 3, of the same General Order organizes the Civilian Rifle Team in compliance with Circular Letter No. 34, Militia Bureau, May 24, 1921, from selected civilian members of the National Rifle Association Clubs in the State of Indiana.

Team Captain: George E. Bailey, Indpls. A. & C. Rifle Club. Members: Harry Black, Albion Rifle Club; Carl F. Beyer, Kosciusko Rifle Club; Arthur C. Bradley, Indpls. A. & C. Rifle Club; Wilson E. Connor, Ft. Harrison Rifle Club; John Gorsuch, Cromwell Rifle Club; James W. Hurt, Indpls. A. & C. Rifle Club; R. D. Lacount, Cromwell Rifle Club; Ray Milholland, Indpls. A. & C. Rifle Club; Nathan A. Morris, Hoosier Rifle Club; Henry J. Mueller, Ft. Harrison Rifle Club; Frank E. Watson, Goldsmith Rifle Club; Randolph Wolfe, Ft. Harrison Rifle Club.

The results attained by the Indiana National Guard rifle team were very gratifying to this office and should be viewed with pride by the people of the state. The team was composed of officers and enlisted men who had never shot on a state team before, with a few exceptions.

NATIONAL RIFLE TEAM MATCH

1.	U. S. Marine CorpsScore	3219
2.	U. S. Infantry	3204
3.	U. S. Naval Academy	3148
4.	Massachusetts National Guard	3138
5.	U. S. Navy	3133
6.	Coast Artillery Corps	3129
7.	Cavalry Engineers	3119
	Pennsylvania Civilians	3065
9.	Philippine Infantry	3065
10.	INDIANA NATIONAL GUARD	3058

Each member of each of the above teams is awarded a class "A" medal.

The last National Rifle Team Match entered by the Indiana National Guard rifle team was in 1916 and then they were placed as eighth out of fifty-one teams competing. This year (1921) they were placed tenth out of seventy-three teams competing. Only one National Guard rifle team (Massachusetts) made a higher score and was composed exclusively of old experienced National Match veterans. The members of this Indiana team deserve the utmost congratulations on their splendid uphill work in this match against experienced selected rifle teams.

The Indiana Civilian rifle team was placed in thirty-second place.

The Adjutant General appreciates the generous self-sacrificing spirit demonstrated by the members of the Indiana Civilian rifle team in attending the National Matches. These men represent the backbone of the civilian shooting interests in this state and the willingness demonstrated by them in attending the National Matches at the sacrifice of their personal business interests is praiseworthy.

		•	
	THE PRESIDENT'S MATCH	Winning Score 243	932 Entries
11	Snyder, M. D., Ind. N. G	Prize	Tied for 8th Place
13	Gawehn, R. E., Ind. N. G	Prize	Tied for 8th Place
5 9	Hauck, J. F., Ind. N. G	Prize	Tied for 42d Place
110	Mueller, H. J., Ind. Civ	Prize	Tied for 93d Place
132	Black, Harry, Ind. Civ		Tied for 112th Place
157	Garland, J. B., Ind. N. G.	Prize	
170	Middleton, Basil, Ind. N. G.	Prize	Tied for 157th Place
222		Prize	
	United Service Match	Winning Score 5262	5 Entries
5	Organized Militia		
		om Indiana National Guard Team.	
	WIMBLETON CUP MATCH	Winning Score 100 Plu	rs 55 5's 690 Entries
5	Middleton, Basil, Ind. N. G	Bz, Medal100.	
20	Mueller, H. J. Ind. Civ.	Prize 99.	
93	Gawehn, G. R., Ind. N. G.	Prize 97.	Tied for 56th Place
103	Black, Harry, Ind. Civ	Prize	
	ALL-AROUND CHAMPIONSHIP	Winning Score 923	
2	Houck, J. F., Ind. N. G.	Bz. Medal914.	
14		869.	
39	Garland, J. B., Ind. N. G	313.	
		de with rifle, pistol, shot-gun and sma	
	1		

	HERRICK TROPHY MATCH		Winning Score 1738	34	TEA?	as En	TERED
14 30	Indiana National Guard			<i>.</i> .			
30	Indiana Olyman						
	CAMP PERRY INSTRUCTOR'S MATCH		Winning Score 140				NTRIES
8	Henley, M. G., Ind. N. G.						
13 25	Snyder, M. D., Ind. N. G	. BZ.	Medal137	Tiec	for	8th	Place
32	Gawehn, G. R., Ind. N. G.						
36	Houck, J. F., Ind. N. G.	. Pri	ze	. Tied	for	32d	Place
47	Wolfe, R., Ind. Civ						
51	Ball, B. W., Ind. N. G.						
52	Hurt, J. W., Ind. Civ	. Pri	ze131	. Tiec	l for	49th	Place
	DuPont Match		Winning Score 50 Plus 3 5's		5	17 E	NTRIES
1	Hurt, J. W., Ind. Civ	. Tro	ophy, Gold Medal 50 plus 3 5's				
23	Henley, M. G., Ind. N. G.	. Priz	ze 48	Tied	for	20 th	Place
67	Gawehn, G. R., Ind. N. G.						
80	McCoury, J., Ind. N. G						
126 129	Chittum, L. S., Ind. N. G.						
123	Chitteni, I. S., Ind. N. G	. 1 114	2C	1100	101	94011	1 lace
	N. R. A. Off-Hand Match		Winning Score 94				TRIES
19	Kelly, J. R., Ind. N. G.						
49	Snyder, M. D., Ind. N. G.						
138 160	Middleton, Basil, Ind. N. G	. Priz	87	Tied	for	106th 148th	Place
100		. 1 112	Of	1100	101	140011	1 1200
	THE MARINE CORPS CUP MATCH		Winning Score 197		_		TRIES
64	Gawehn, G. R., Ind. N. G. Snyder, M. D., Ind. N. G.	. Priz	e	Tied	for	61st	Place
81 89	Nessenstein, W. J., Ind. N. G.						
133	Houck, L. F., Ind. N. G.						
142	Middleton, Basil, Ind. N. G.						
175	Ball, B. W., Ind. N. G						
179	Black, Harry, Ind. Civ						
180	Yuhasz, J., Ind. N. G.						
191 193	Hurt, J. W., Ind. Civ						
150		. 1 112		Tica	101	1104	Tacc
	CHAMPIONSHIP REGIMENTAL TEAM MATCH		Winning Score 553				TRIES
8	151st Infantry, Ind. N. G.	. Priz	e	Tied	tor	7th	Place
	THE HERCULES MATCH		Winning Score 50 Plus 38 5's				TRIES
24	Black, Harry, Ind. Civ						
28	Mueller, H. J., Ind. Civ	. Priz	se50	Tied	for	28th	Place
33 77	Yuhasz, J, Ind. N. G	Priz	49	Tied	for	33d	Place
"	Gaweini, G. It., Ind. IV G	. 1 112	C 320	1100	101	33u	1 lacc
	LEECH CUP MATCH		Winning Score 105				TRIES
13	Mueller, H., Ind. Civ	. Med	ial103	Tind	fo-	78+1	Place
92 145	Black, Harry, Ind. Civ.	. Priz	e	Tied	for	137th	Place
162	Yuhasz, J., Ind. N. G.	. Priz	e99	Tied	for	137th	Place
	REMINGTON MATCH		Winning Score 50 Plus 61 5's				TRIES
94	Middleton, Basil, Ind. N. G	. Priz	e 47	Tied	for	75th	Place
101	Hurt, J. W., Ind. Civ						
113	Henley, M. G., Ind. N. G	. Pri	se 40	ried	101	142UN	1 lace

	Peters Cartridge Co. Match	Winning Score 50 Plus 31 5's	580 Entries
63	Middleton, Basil, Ind. N. G.	Prize 49	Tied for 20th Place
77	Hurt, J. W., Ind. Civ	Prize	Tied for 20th Place
	N. R. A. RAPID FIRE MATCH	Winning Score 149	772 Entries
38	Hough I F Ind N C	Prize146	TILLE OF LEDI
143		Prize	
187	Nassenstein W. I. Ind N. G.	Prize	Tied for 138th Place
189	Black Harry Ind Civ	Prize	Tied for 179th Place
100	Dison, Italia, Ind. Oliver		Hed for 179th Place
,	D W C C C C C C C C C C C C C C C C C C	TT7 ' C	
	THE WESTERN CARTRIDGE Co.'s MATCH	Winning Score 50 Plus 70 5's	480 Entries
41	Nassenstein, W. J., Ind. N. G.	Prize 50	Tied for 39th Place
76	Ball, E. C., Ind. N. G.	Prize	Tied for 43d Place
76	Garland, J. B., Ind. N. G	Prize 49	Tied for 43d Place
94	Wolfe, R., Ind. Civ	Prize	Tied for 43d Place
99		Prize 49	
107	Mitchell, W. R., Ind. Civ	Prize	Tied for 105th Place
	SIGMUND EISNER MATCH	Winning Score 50	540 Entries
17	Mueller, H., Ind. Civ	Prize	Tied for 2d Place
93	Middleton, Basil, Ind. N. G	Prîze 47	
	MEMBERS' MATCH	Winning Score 50 Plus 27 5's	821 Entries
00	M II TI I I C'	D	
23		. Prize 50 plus 3 5's	
33 44		. Prize	
44 53		Prize	
85		Prize 49.	
121		Prize	
145		Prize 49	
157		Prize 48.	
160		Prize 48	
177		Prize	
111	Henley, W. G., Ind. N. G		1 led for 120th Flace
	N. R. A. GRAND AGGREGATE	Winning Score 685	600 Entries
67		Medal664	
128		Medal	
141		Medal	
	Combined scores of Leech, Members.	Wimbleton, Marine Cup and President's M	atch.

SMALL ARMS FIRING SCHOOL, INDIANA NATIONAL GUARD

In order to have a corps of trained instructors, and to provide a uniform method of instruction throughout the guard, the state organized and conducted for a period of two weeks (October 16 to 29) a small arms firing school. Thirty non-commissioned officers were selected for this work and sent to the Culver Military Academy where they might have access to the fine equipment which the institution affords. The course of training embraced firing with both the rifle and pistol, gallery practice, range operation and range construction. From seven to eight hours each day were spent in practical and theoretical work and a two hour period each night was devoted to study. This small arms firing school was the first of its kind ever held in Indiana; those officers who were called into Federal service during the war, and who had

ample opportunity to observe the training of the American forces had advised the Adjutant General that this is a step in the right direction. In their opinion shooting is a form of training which is intensely interesting to the men. It can be used in a competitive way to stimulate each man to do his best and has many of the good features of athletics and none of the faults. It is something which appeals to the pride of the true American, for this country was settled by men whose very lives depended upon their ability to shoot, and our histories are filled with the names and deeds of men skilled in the use of the rifle. We hope that much good will come from this school but the full benefit of anything it may accomplish can not be realized until we see in 1922 the results of the work which these men do in their respective companies.

The school opened with the following enlisted men in the Indiana National Guard as students:

1st Sergt. Robert E. Hemmerling, Service Company, 151st Infantry.

1st Sergt. William Higer, Service Company, 152d Infantry.

1st Sergt. Charles E. Pittman, Hdq. Det. and Com. Tr., 3d Bn., 181st F. A.

1st Sergt. Glendon H. McToun, Company 'M', 151st Infantry.

1st Sergt. Jacob Thenes, Battery 'E', 181st F. A.

1st Sergt. Edward D. Sherrick, Company 'H', 151st Infantry.

Staff Sergt. Von Chalfant, Service Battery, 181st F. A.

Sergt. Gael H. Lemmon, Company 'E', 151st Infantry.

Sergt. Thomas E. Heck, Hdqtrs. Company, 2d Bn., 151st Infantry.

Sergt. Edwin P. Garis, Battery 'F', 181st F. A.

Sergt. William H. Dare, Company 'A', 152d Infantry.

Sergt. Schuyler Harry Coin, Company 'C', 151st Infantry.

Sergt. Chester I. McCrery, Company 'G', 151st Infantry.

Sergt. Ivan C. Overman, Company 'L', 151st Infantry.

Sergt. John E. James, Company 'K', 151st Infantry.

Sergt. Ralph Holly, Howitzer Company, 151st Infantry.

Sergt. Ottis F. Blair, Battery 'B', 181st Field Artillery. Sergt. Chalmer R. Albough, Company 'B', 151st Infantry.

Sergt. Louis F. Foellinger, Company 'K', 151st Infantry.

Sergt. Leonard L. Swarts, Company 'D', 151st Infantry. Sergt, Harry M. Trupin, Company 'A', 151st Infantry.

Sergt. John E. Conover, Company 'I', 151st Infantry.

Corpl. Talbot L. Cartwright, Hdqtrs. Company, 1st Bn., 152d Infantry.

PFC John C. Cavender, Company 'A', 113th Engineers.

PFC Dooley R. Cooper, Battery 'B', 139th F. A.

Pvt. William L. Chapman, Hdqtrs. Co., 3d Bn., 151st Infantry.

Pvt. Liston D. Johnson, Med. Detch., 181st F. A.

Pvt. Albert E. Rogers, Battery 'A', 139th F. A.

Pvt. Russell E. McCord, Battery 'B', 139th F. A.

Pvt. Merritt R. Davis, Battery 'B', 139th F. A.

CIVILIAN RIFLE TEAM

The civilian rifle team was divided into two classes. All men who had never been members of a former state team were ordered to report for the full four weeks period, while all men who were members of former state teams were to report for the two weeks period just prior to the beginning of the National Rifle Association matches. The following reported for the four weeks period: George E. Bailey, Medora; Wilson E. Conner, Terre Haute; Nathan A. Morris, Indianapolis; Frank E. Watson, Tipton; Randolph Wolfe, Terre Haute; R. D. Lecount, Cromwell; Ray Milholland, Indianapolis, and W. R. Mitchell, Indianapolis. The members of the team who reported for the two weeks period were: Major J. W. Hurt, Indianapolis; H. G. Mueller, Terre Haute; Harry Black, Albion; John Gorsuch, Cromwell; A. C. Bradley, Indianapolis, and Major C. F. Beyer, Warsaw.

Major Basil Middleton of Culver was appointed instructor for the Indiana Civilian Team and assumed his duties on Monday morning, August 29, and for the next two weeks all parts of the rifle shooting game were taken up and explained by the instructor. This period of instruction was of great value to the team and enabled them to make better scores in the matches which followed and to overcome the difficulties which they encountered more easily than if they had not received such instructions.

All the members of the team with the exception of Watson and Gorsuch (who made sharpshooter qualifications) qualified as expert riflemen in the Regular Army course and all who had not received their certificates previously were given certificates stating that they had made expert qualifications and were recommended as instructors in the use of the service rifle.

The showings made by members of the civilian rifle team in the various matches are indicated in the scores given on preceding pages of this report. The scores of the civilian team and of the National Guard team are given together.

This office appreciated greatly the co-operation and interest shown the National Guard by the Commanding Officer, Culver Military Academy and is of the opinion that the instruction received by the students will have a lasting effect on the target practice of the Indiana National Guard.

On August 9, 1921, the Adjutant General received the following communication:

WAR DEPARTMENT

NATIONAL BOARD FOR THE PROMOTION OF RIFLE PRACTICE . Washington, D. C.

July 23, 1921.

Memorandum For: The Assistant Secretary of War,

President National Board for the Promotion of Rifle Practice.

- 1. It is recommended that Honorable Theodore Roosevelt, the Assistant Secretary of the Navy; Major General George C. Rickard, National Guard, Chief of the Militia Bureau, and Brigadier General Harry B. Smith, the Adjutant General of Indiana, be appointed members of the National Board for the Promotion of Rifle Practice.
- 2. Colonel Theodore Roosevelt is recommended with the approval of the Secretary of the Navy.
- 3. The appointment of the Chief of the Militia Bureau as member of the board will result in the better co-operation of all the shooting activities.

4. Brig. General Harry B. Smith of Indiana is active in the promotion of rifle practice in his state, and his information, activities and affiliation will make him a valuable member of the board. His appointment is recommended to fill the vacancy caused by the death of Brig. General W. W. Moore of South Carolina.

F. H. PHILLIPS, Jr., Executive Officer.

Approved:

July 25, 1921.

J. M. WAINWRIGHT,
The Assistant Secretary of War,
President National Board for the
Promotion of Rifle Practice.

This appointment is considered as a great honor not only to the Adjutant General but to the State of Indiana.

RECORDS OF INDIANA SOLDIERS, SAILORS AND MARINES

Article LXX of the Rules and Regulations of the Indiana National Guard, approved in 1895, and prepared pursuant to an act of the legislature, approved March 5, 1895, which provides that the Governor shall have authority by General Order to provide for the proper organization of the Militia, reads as follows:

"* * * Under direction of the Governor he (the Adjutant General) has final custody of all reports, muster-in and muster-out rolls or discharge of the Militia. * * * The Adjutant General's office is the repository for the records which relate to the personnel of the military establishment and in the military history of every commissioned officer and soldier of the National Guard of the state. In this office the names of all enlisted soldiers are enrolled, their enlistment and descriptive lists are entered, and all deaths, discharges, desertions, etc., are recorded. In this office the muster rolls of the companies are preserved, the inventories of the effects of deceased officers and soldiers are entered, and the annual returns of the Militia required by law to be submitted to Congress are prepared."

The work involved in the investigating, checking and filing these records requires an accurate and careful scrutiny of all records. Some of these records are on file in the Adjutant General's office, but many important entries have been furnished by veterans of the various wars from personal rosters and papers belonging to their own personal files. An example of the thoroughness with which the office force work can be demonstrated by the methods employed whenever it is not possible to obtain full accurate data relative to the service of some Civil War veteran. Letters are written to persons who are known to have served with this particular veteran requesting that he furnish the office with all available data they might have of the man's service. In this way it is possible to obtain, by condensing data received, a full accurate record of the man's service.

The following list of the number of service records which have been checked and verified in the office will indicate the voluminous task being undertaken:

Mexican War, 1846-47-48 4,585	4,585
Civil War210,497	
Civil War, Land Forces Killed 24,416	210,497
Spanish American War	
Spanish American War, Died in Service	7,421
	222,503

The records of the World War are about two-thirds completed and as the exact check cannot be accurately given it is not included in the above. The number from this state serving in all branches is estimated at 130,000. Approximately 75,000 records of soldiers who served in this war are available for verification in the office at the present time. These service records are being filed as soon as all available data is obtained. A record has to be absolutely correct before it is finally filed.

Members of the families of men who served during the World War have applied for information relative to the service of their relatives, historians not only in Indiana but from all parts of the United States have requested data relative to certain individuals and the Victory Medal Distribution Officers of the Federal service and military and civilian organizations have utilized this valuable reference file for information regarding the authority for granting this medal.

Realizing the value of these records of the soldiers of the State of Indiana, the Adjutant General has recommended that suitable fire-proof storage facilities be given for the care and preservation of these records. If any of these records are destroyed by fire it will be impossible to replace them.

The very important military record contained in this file has received the personal attention of the Adjutant General because he realized the great value this file will be in the future. Therefore he has employed only the most efficient clerical personnel available for this work. It is estimated that when the entire service record is finish for all the wars one thousand drawers of card files will be required. Special care must be taken with the old Mexican and Civil War papers as many of them are brittle with age and are liable to fall to pieces when handled.

FINANCIAL STATEMENT

The following is the financial report of fund appropriated for and expended by the Adjutant General. It will be noted that there was reverted to the state treasury, including the amount collected and returned by quietus, the amount of \$85,144.91 out of an appropriation of \$100,000.00.

Salaries				
Appropriation			\$9,400	00
Adjutant General, October 1st to March 31st	\$1,800	00		
Adjutant General, April 1st to September 30th	2,500	00		
Chief Clerk	1,200	00		
Stenographer	900			
Additional stenographer	900			
Clerk Q. M. Department	1,200			
Stenographer Q. M. Department	900	00		
	\$9,400	00		
Riot Fund				
Subsistence	\$6,387	72		
Telegrams	1			
Transportation		10		
	\$6,396	50	. \$6,396	50
Indiana Militia Fund				
Appropriation			\$100,000	
Credit by quietus			85,144	91
Soldiers Record Fund				
Additional employes				
Warehouse employes				
Semi-annual payrolls				
Rent of armories	22,031			
Caretakers				
Armory maintenance	-,			
Physical examinations				
Equipment	24,251	68		
Transportation	9,016	59		
Freight, drayage and express	1,744	41		
Printing, stationery and office supplies		25		
Telephone and telegrams		`84		
Organization expense			1	
Postage				
Publications				
U. S. Instructors				
Rifle competition Miscellaneous				
Miscenaneous	18,675	29/		
	\$168,609	71		
Balance	16,535	20		

The salary of the Adjutant General was changed from the amount fixed by the assembly in 1919 and this accounts for the difference in the rate of pay indicated in the first two lines of the report of the salary of the Adjutant General.

\$185,144 91 \$185,144 91

REPORT OF THE STATE BOARD OF PARDONS

ALBERT D. THOMAS, President, Crawfordsville.
ADOLPH SEIDENSTICKER, Secretary, Indianapolis.
DR. FRANK L. HOVIS, Indianapolis.
MAY L. NICHOL, Clerk, Indianapolis.

The State Board of Pardons, as established by an act of the legislature in 1903, consists of three members appointed by the governor, for a term of four years each. The board selects a president and secretary from among its members and employs a clerk, who also acts as stenographer.

It is the duty of the board to inquire thoroughly and carefully into the merits of all petitions which may be presented to the governor for the pardon of any person convicted by any court, or by any courtmartial in the State of Indiana and to report to the governor in writing its conclusions and recommendations in each case, which reports must be signed by at least two members. These conclusions and recommendations are in no way binding on the governor and he is free to follow them or not, as he in his discretion thinks best. As a matter of fact every recommendation made during the year 1921 has been concurred in and followed by Governor McCray.

The board has power to administer oaths, summon witnesses and to compel their attendance and to punish for contempt any person refusing to obey a summons issued. The statute further requires the board to keep a record and files of its proceedings and that all oral testimony be reduced to writing.

While the act creating the board seems to contemplate that all appeals for executive elemency should be referred to and passed on by the board, yet, until the advent of the administration of Governor McCray, that was not the practice. During the four years of Governor Goodrich's administration, executive elemency was granted in 1,111 cases of which only three hundred and forty were submitted to the board. The remaining cases were acted upon by the governor direct, without submission to the board.

Within a month after taking his office Governor McCray announced that it would be his policy to refer all petitions for executive elemency to the State Board of Pardons for investigation, hearing and report to him. That policy has been strictly adhered to. We believe this to be the more practical plan, not only because the chief executive of our state ought not to be compelled to give his valuable time to the hundreds of appeals made to him each year, but, because a board of elemency can give the time necessary to make a full and searching investigation into the merits of each case.

Due to this change in policy the board now meets monthly instead of quarterly as heretofore. The salary of each member of the board as fixed by an act of the 72d General Assembly (Acts 1921, page 186) is ten dollars per day for each day actually and necessarily spent on duty.

Regular meetings of the board are held on the second Monday of each month and usually continue for four or five succeeding days. Cases are heard only upon petition, which must be filed at least ten days before the meeting at which the case is to be heard. Full publicity is given through the press of the filing of petitions and the date of hearing thereof, to the end that the public may be apprised of the pendency of every case. Hearings are held at the office of the board, Room 332, State House, and are open to the public.

During the calendar year of 1921 five hundred and seventy-four cases were heard and reports made thereon to the governor, as follows:

•	U			
Pardons recommended				11
Paroles recommended				62
Commutation of sentence recommended				50
Remission of fine recommended				27
Paroles recommended after time had been served, with	permission	to pay	fine a	and
costs in installments				25
Jail sentence remitted upon payment of fine and costs				3
Final discharge recommended*			, - ,	5
Temporary paroles recommended				4
Petitions refused				376
Cases stricken from docket				11
Total eages considered dening week				E71

In addition to the cases heard and reported on, correspondence has been carried on concerning more than a hundred cases, which never reached the point where a petition was filed.

It will be noted that few pardons are recommended but a larger number of paroles. This makes after-care and supervision possible as well as a revocation of parole whenever the prisoner fails to conduct himself properly after his release. Less than 6 per cent of those released upon governor's parole, violate their parole. The percentage of parole violators among prisoners released under the indeterminate sentence law, that is prisoners who have served at least their full minimum term and are released by the parole board at the institution where they are confined, has for years averaged 26 per cent. We feel fully warranted therefore in suggesting that the small per cent of violators of governor's paroles proves almost conclusively that few mistakes have been made and that there has been no abuse of the pardoning and paroling power of the governor.

REPORT OF SUBCOMMITTEE OF THE JOINT PURCHASING COMMITTEE

MEMBERS

Dr. S. E. SMITH, Medical Superintendent, Eastern Hospital for Insane. HON. C. A. McGONAGLE, Superintendent, Indiana Boys' School.

HON. M. EPSTEIN, Frankfort, Trustee, Northern Hospital for Insane.

HON. JOSEPH HENNING, Anderson, Trustee, Indiana Reformatory.

HON. JOHN MOORMAN, Knox, Trustee, Indiana State Prison.

FRED B. ROBINSON, Indianapolis, Secretary.

DR. S. E. SMITH, Chairman.

The creation of this committee was authorized in the regular appropriation bill passed by the Seventy-first General Assembly of the State of Indiana and the appropriation bill passed by the Seventy-second General Assembly of the State of Indiana provided for the continuance of this committee. The purpose of this committee is to purchase supplies for the various correctional and benevolent state institutions.

The several institutions forward to the committee estimates of supplies needed for quarterly period and invitations for bids are sent to various wholesalers and manufacturers on the combined amounts of each of the various items of merchandise. By pooling the estimates of all institutions the total quantity of each item is of such size to attract competition and interest manufacturers, brokers and jobbers who have heretofore declined to bid on the quantity desired by a single institution. The committee and secretary have endeavored to keep in touch with the trend of the market and recommend to the institutions the advisability of increasing or decreasing estimates for the purpose of taking advantage of rising or falling prices. The purchase of supplies made by the committee for the fiscal year ending September 30, 1921, other than those items covered by term or annual contract will amount to not less than \$400,000.00. Purchases now made usually move direct from mills or producers, insuring to the institutions fresh, clean and wholesome merchandise bought at original cost. In addition to the above the subcommittee has entered into yearly contracts for supplying institutions with coal, electric lamps and electric supplies, lubricating oils and other grades of oil, wax and greases, auto and truck tires, automobile storage batteries, cereal foods, mechanical rubber goods, packing, compressed yeast, farm machinery and queensware, etc.

It is estimated that under these yearly contracts made by the sub-committee the institutions will expend for supplies a sum in excess of \$1,000,000. In April the committee advertised for bids on coal for the various institutions for the year ending May 1, 1922. Upon the advice

of the Governor the bids were rejected and the letting postponed for a period of thirty days and bids were then asked for and contracts let in such a manner as to effect a saving of \$40,000 to the state on this item.

The committee acts as a clearing house for the institutions and has favored the producing by institutions of items needed by institutions and has been instrumental in bringing about the manufacturing and producing of many items, some of the most important of which are vinegar, manufactured by the Indiana Boys' School; shoes, tinware, clothing and tobacco manufactured by the Indiana State Prison; printing and manufacturing of brooms, mops and brushes by the Indiana Reformatory. Through the efforts of the Joint Purchasing Committee a ruling was secured from the U.S. treasury whereby institutions are exempt from government tax on tobacco manufactured at the Indiana State Prison for state institutions. The tax on this item was 18 cents per pound. The State Prison produced and distributed for the fiscal year ending September 30, 1920, a total of 25,178 pounds, thus making a saving to the state on taxes alone of \$2,731.84. The State of Indiana, it is believed, is the only state in the Union now manufacturing all of its scrap, smoking and plug tobacco for state institutions and distributing same free of tax.

The committee featured the advisability of the state taking advantage of cash discounts whereupon the suggestion was taken up by the state finance board and the result was that superintendents were furnished with sufficient contingent fund to enable them to take advantage of cash discounts offered. In the very near future this committee plans to take over for purchase dry goods and notions, paints, oils and varnishes, deeming it good business judgment to pool the requirements of such articles and let contracts direct to manufacturers and jobbers. This in all probability will be taken up shortly after the start of the new fiscal year of 1922.

The experience of the year past justifies the existence of the Joint Purchasing Committee and the law creating it, and much more good can be derived from it by extending the purchasing power to other articles used in the state institutions. It has been demonstrated that the success of the committee's operations is largely due to the co-operation of the officers of all institutions represented and interested. Without their whole-hearted assistance little could have been accomplished, but as time goes on the appreciation of the efforts of the committee to serve the several institutions has steadily grown and the service of the committee has improved. With continued co-operation we believe that the advantages of joint purchasing will increase year by year and not only more money will be saved to the institutions and the state but a better standardization of supplies, which is as important as the cost, will be obtained.

The following tabulation shows receipts and itemized statement of disbursements of the committee for the year ending September 30, 1921, the percentage of cost borne by each institution for maintenance of this department and the amount of money paid in by each institution:

\$11,006 01

RECEIPTS

	Per Cent	Amount	
· ·	of Cost	Paid	
Southern Hospital for Insane	0593	\$652 66	
School for Feeble-Minded Youth	0790	869 48	
State Farm	0355	390 79	
Girls' School	0336	369 80	
School for Blind	0178	195 91	
Women's Prison	0118	129 85	
Central Hospital for Insane	1481	1,629 99	
School for Deaf		369 80	
Robert Long Hospital	0257	282 82	
Indiana Reformatory	0474	521 69	
Soldiers and Sailors Orphans Home	0434	477 66	
Northern Hospital for Insane		869 48	
Indiana State Prison		681 25	
Southeastern Hospital for Insane	0908	999 35	
Village for Epileptics	0310	341 19	
Indiana Boys' School		543 70	
Eastern Hospital for Insane		760 52	
Indiana State Sanatorium		225 61	
State Soldiers' Home	0631	694 46	
	100		
Total receipts			\$11,006 01
DISBURSEMENTS			
		00 500 00	
Salaries			
Traveling Expense of Committee and Secretary			
Telegrams and Telephones			
Postage			
Office Supplies			
Office Equipment		. 571 03	

REPORT OF THE STATE JUVENILE PROBATION OFFICER

Total disbursements

MRS. CARINA C. WARRINGTON, State Juvenile Probation Officer, Ft. Wayne.

ADVISORY JUVENILE COMMISSION

MRS. ALBION FELLOWS BACON, President. CAPT. JOHN R. NUTTER, Secretary. CHARLES A. McGONAGLE. MRS. JOHN W. BOSSARD. MRS. ELLA BAGOT KEHRER.

The office of state juvenile probation officer was created in 1921. It is the duty of the state juvenile probation officer to co-operate with, supervise the work and prescribe the qualifications of the local probation officers; secure the enforcement of the probation law in the various parts of the state; collect, compile and systematize statistical

and other information relative to the business of juvenile courts and juvenile probation. The probation officer is assisted by an advisory juvenile committee of five members who hold regular meetings for the development of plans for the enforcement of the probation system of the state.

REPORT OF THE REPORTER OF THE SUPREME COURT

WILL H. ADAMS, Reporter. WILBUR G. CARPENTER, Assistant. CONNOR D. ROSS, Assistant.

The office of reporter of the supreme and appellate courts was established in 1852. It is the duty of the reporter to compile and publish the opinions of the supreme and appellate courts; to prepare the syllabi preceding each decision; proof read all manuscript; verify citations; furnish parallel citations and reference footnotes; compile a list of cases reported, statutes cited and construed, and text books cited; and prepare the index for each volume. Each volume of decisions contains approximately 700 pages of opinions.

REPORT OF THE SUPERINTENDENT OF PUBLIC BUILDINGS AND PROPERTY

ROY COUCH, Superintendent.

The Superintendent of Public Buildings and Property is elected by a board, which is composed of the Governor, Auditor of State and Secretary of State, and his appointment terminates with the option of the board.

The duties of the superintendent are:

To have charge of all property; to keep building and property clean and in proper order; to purchase all supplies needed for building; make all repairs; employ all assistants and other necessary help who come under his supervision; to institute civil or criminal proceedings against any person for injury, or threatened injury, to property under his care; dispose of all worn-out furniture, unvaluable property and make proper auditing therefor to the state treasurer quarterly; to keep a complete list of all property belonging to the Capitol Building, with accurate plans and surveys of the public grounds whereon the Capitol is situated, and report to the board quarterly, i.e., March, June, September and December of each year, and to the General Assembly every two years, showing how the appropriations for his office were used.

All of his official acts are with the approval of the board.

REPORT OF THE BOARD OF REGISTRATION AND EXAMINATION IN OPTOMETRY

MEMBERS OF THE BOARD

JOHN H. ELLIS, President, South Bend. CHAS. A. MEIGS, Treasurer, Ft. Wayne. C. D. ADAIR, Secretary, Elwood. ORRIS BOOTH, Valparaiso.

ORGANIZATION

The State Board of Registration and Examination in Optometry was created in 1907. It is a self-sustaining board of five members, appointed by the governor, to serve for terms of three years.

The board consists of five licensed, registered, practicing optometrists. The board meets in annual session and holds special meetings as necessary for examinations.

DUTIES

Before beginning the practice of optometry, every person is required to pass an examination before the Optometry Board on subjects covering his knowledge and ability in either one or any combination or part of the following:

- (a) The examination of the human eye, without the use of drugs, medicine or surgery, to ascertain the presence of defects or abnormal conditions which may be corrected, remedied or relieved, or the effect of which may be corrected, remedied or relieved by the use of lenses or prisms.
- (b) The employment of subjective or objective mechanical means, without the use of drugs, medicine or surgery, to determine the accommodative or refractive conditions, or the range of powers of vision, or muscular equilibrium of the human eye.
- (c) The adaptation or the adjustment of lenses or prisms to correct, relieve or remedy any defect or abnormal condition, or to correct, relieve or remedy the effect of any defect or abnormal condition of the human eye.

The board is required to prescribe the minimum requirements which must be complied with by applicants before receiving certificates to practice; a schedule of the minimum requirements and rules for the recognition of schools of optometry, in order to keep the proficiency up to the standard of other states; to conduct the necessary examination of applicants; to issue licenses to successful candidates; to issue renewals of certificates to practitioners in good standing and revoke licenses for gross incompetency or other satisfactory reasons.

REPORT OF THE LEGISLATIVE REFERENCE BUREAU

BOARD

WILLIAM LOWE BRYAN, President Indiana University. HENRY W. MARSHALL, Acting President Purdue University. DEMARCHUS C. BROWN, State Librarian.

EXECUTIVE STAFF

CHARLES KETTLEBOROUGH, Director.
JESSIE P. BOSWELL, Librarian.
ELVIRA KERZ, Secretary.
MRS. E. A. DOYLE, Statistician.
EDNA BONHAM GEARHART, Research Assistant.

The Legislative Reference Bureau was created originally in 1907 and was re-established in its present form in 1919. The duties and functions of the Legislative Reference Bureau are to maintain a special library on legislative, and other public questions; to assist members of the General Assembly in the preparation and drafting of legislative bills; to collect, assemble, interpret and publish statistical information relating to agriculture, the financial condition of municipalities, citizenship and naturalization, marriage and divorce and other social and economic questions; and to compile, publish and distribute the Indiana Year Book.

Special Library.—The special library maintained by the Legislative Reference Bureau consists largely of fugitive material on public questions of current interest to members of the General Assembly, city councilmen, town trustees, state and local officers, professional anl civic organizations, schools and colleges, debating clubs and citizens of the state generally. The material constituting this collection consists of pamphlets; magazine articles; reprints of the important laws of the several states; reports of the national tax association; the committee on uniform state laws and the national municipal league; typewritten digests; speeches; addresses; newspaper clippings; reports of the officers, boards and commissions of other states; supreme court decisions by which remedial laws have been construed and interpreted; collections of the constitutions and organic laws of all the states and territories; reports of special investigations undertaken and concluded by the federal, state and municipal governments and by professional and non-official societies and organizations. The approximate total number of items regularly maintained in this collection is 10,000. Current publications on questions of vital and contemporary public interest are received, classified, cataloged and made available constantly, and material which has ceased to have immediate value is removed from the shelves and deposited with the state library for permanent preservation. When special legislative investigations are being conducted or when public questions of unusual importance are being agitated, intensive collections of material on such questions are accumulated and compiled. When the investigations are concluded or when public interest in a question subsides by the enactment of appropriate legislation or otherwise, the special collection is disassembled. In all collections, material embodying arguments, facts, statistics and opinions on both sides of public questions is accumulated and maintained. The collection as a whole is maintained primarily for the use of members of the General Assembly in the investigation of questions which are or may become subjects of legislation, but any material will be loaned free of cost to any school, club, organization, library or citizen of the state.

Bill Drafting and Research.—One of the most important functions of the Legislative Reference Bureau is to assist legislators in the preparation of bills, resolutions, memorials, motions, reports and other measures for introduction in the General Assembly, and to render available in convenient form the precedents and rulings by which presiding officers and deliberative bodies are guided and controlled in the procedure necessary to mature legislative measures. In the preparation of any contemplated bill, a legislator will naturally want to know the character and magnitude of the social and economic condition which he is proposing to correct; what cities, states and foreign countries have laws similar in scope to the measure which he is proposing; how long such laws have been in operation; in what respects they have been amended: whether any such laws have ever been enacted and subsequently repealed; how they have been construed and interpreted by the courts; the prevailing opinion of jurists, public officials, journalists, organizations, publicists and private citizens generally as to the beneficient or baneful effects of such legislation; and what law by common consent is acknowledged to be the best. This information, by means of its special collection of material, constantly recruited, the bureau is enabled to supply. second essential in the preparation of a bill, according to the most approved scientific methods, is that the measure shall be constitutional in form and so precise in its wording that if regularly enacted into law it will fully and satisfactorily serve the purpose for which it is designed and intended. During the sessions of the General Assembly the bureau maintains a corps of competent attorneys and draftsmen who are familiar with legal terminology and with the standards and requirements of bill drafting as prescribed in the constitution, elaborated and defined by the courts and evolved in legislative practice. The services of this drafting corps are placed at the disposal of members free of charge; all bills are drafted under the direction of the members and in strict compliance with their wishes; and all services so rendered are strictly confidential and non-partisan.

In carrying on its work as a bill drafting agency, the bureau maintains or has continuous access to the following facilities: The codes and session laws of all the other states and territories; a collection of the so-called uniform state laws; a special file of bills which have been recently introduced in and considered by the legislatures of other states,

arranged under appropriate subject headings; a card catalog of all bills introduced in the Indiana legislature since 1905; all original and engrossed bills, resolutions, memorials, petitions, motions and reports considered at each session of the Indiana legislature under the present constitution: a card catalog containing a digest of all important court decisions affecting the construction or validity of new and remedial laws enacted in all the states; a collection of all the Indiana session laws from 1850 to date; a card catalog of all bills introduced in the House and Senate during each session of the General Assembly, arranged numerically in the order of their introduction and by subject or contents, in which is entered from day to day the action taken on each bill; and a file of the printed bills of both houses which are kept for distribution and examination. The bureau is also enabled to place at the disposal of legislators the accepted constitutional and legal forms for the drafting of titles, amendments, emergency clauses, legalizing and relief laws, motions and resolutions for the amendment of bills on second and third reading, constitutional amendments and committee reports.

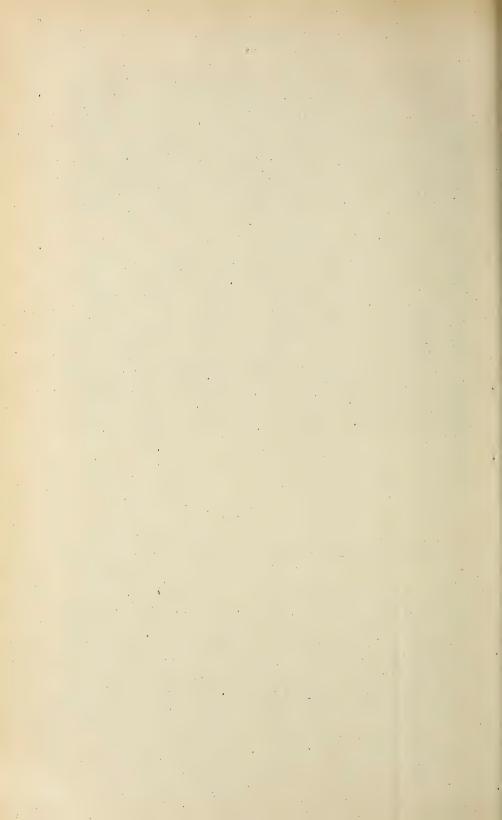
By virtue of a reciprocal arrangement, which has been operating successfully for several years, legislative bills are now exchanged regularly with thirty-two of the most important states, including New York, Massachusetts, Ohio, Illinois, Michigan, Iowa, Nebraska, California, Rhode Island, Connecticut, Pennsylvania, New Jersey and Wisconsin. These bills are useful to students of public affairs as they reflect the prevailing public sentiment in the various parts of the country, and they are used in addition as models in drafting bills on similar subjects for introduction in our own legislature. At the conclusion of each legislative session all original and engrossed bills, joint and concurrent resolutions, memorials, petitions, amendments and all other legislative papers are delivered to the bureau and kept in files until the close of the next succeeding session, when they are deposited with the historical archives of the state library for permanent preservation. The director of the bureau is the custodian of the plats whereon the seating arrangements of the House and Senate chambers are indicated and all reservations of seats are made through this bureau.

At the conclusion of the session of the legislature, the manuscript of the House and Senate Journals are given to the bureau for the purpose of supervising its publication.

Indiana Year Book.—At the session of 1917, the General Assembly provided for the publication of a comprehensive state report known as the Indiana Year Book, which includes a condensed summary of the reports of each of the state officers, boards, commissions, departments, bureaus and institutions, together with certain facts, data and statistics about the State of Indiana, its people, resources, government, elections, crops and economic and social conditions. The Year Book is published annually, under the direction of the governor; it supersedes all other reports, except those made by the state institutions; and approximately 12,000 copies are available for distribution, free of cost, to the citizens of the state.

Department of Statistics.—The department of statistics of the Legislative Reference Bureau has taken over substantially the same duties of collecting statistics as have been performed by the Bureau of Statistics since 1879. The work in this department is divided into two distinct groups. In one group is included all municipal, economic and criminal statistics, and in the other all agricultural and livestock statistics. Municipal statistics are collected for counties, cities and towns and include the receipts, expenditures and indebtedness of counties, cities and towns; the mileage of improved and unimproved roads; township gravel road bonds outstanding; land transfers; mortgage indebtedness; mortgages satisfied; marriages and divorces; naturalization of aliens; and criminal statistics.

Co-operative Crop Reporting Service for Indiana.—The law of 1919 authorized the Legislative Reference Bureau to enter into a co-operative agreement with the United States Department of Agriculture for the purpose of collecting, recording, interpreting and publishing crop and livestock statistics. This agreement was perfected on August 4, 1919, and the work was formally instituted at that time. The Co-operative Crop Reporting Service is in charge of Mr. George C. Bryant, Agricultural Statistician of the United States Department of Agriculture, and all agricultural statistical records belonging to both the federal and the state governments have been merged and are available for the use and convenience of the public. A monthly bulletin of crop and livestock estimates based on the reports of approximately 900 contributors is issued and the consolidated reports, together with the statistical data collected by the township assessors, is given in part second of the Year Book.



Roster of State and Local Officers; Economic, Social and Financial Statistics; and Other Miscellaneous Data

ROSTER OF STATE OFFICERS, BOARDS AND COMMISSIONS

I. CONSTITUTIONAL OFFICERS a

Salary	\$8,000 1,0006 6,500 7,500 5,000 5,000 6,000 6,000 6,000 6,000 6,000 6,000 6,000 86 per day \$6 per day \$7,500 e]
Term Expires	Jan. 11, 1925 Jan. 11, 1925 Jan. 10, 1922 Nov. 27, 1922 Nov. 10, 1923 Jan. 1, 1923 Jan. 1, 1923 Jan. 1, 1925 Jan. 1, 1926
Term Began	Jan. 10, 1921 Jan. 10, 1921 Nov. 27, 1920 Nov. 24, 1920 Peb. 1, 1921 Jan. 1, 1931 Jan. 1, 1939 Jan. 3, 1921 Jan. 1, 1919 Jan. 1, 1919 Jan. 1, 1919 Jan. 1, 1919 Day after elect 'n. January 1 fol- lowing election.
Residence	Kentland Martinsville Indianapolisi Arankini Kokomo, Kokomo, Mashington, Mashi
Present Incumbent and Politics	Waren T. McCray (R) Emmet F. Branch (R) Ed. Jackson (R) Cra. J. Davies (R) Patrick J. Davies (R) Patrick J. Lynch (R) Julius C. Tarvis (R) Louis B. Evbank (R) Howard L. Townsend (R) B. M. Willoughby (R) One or more in each (44) senatorial district d. One or more in each (75) representative or joint representative district d. Senatorial control in each (77) judicial circuit. One in each (77) judicial circuit.
Term, Years	Four Four Two Two Four Two Four Four Four Four Four Six.
Elected or Appointed	Elected
OFFICE	Governor. Lieutenant-Governor Secretary of State Auditor of State Treasurer of State Treasurer of State Superintendent of Public Instruction Adjutant-General. Clerk Supreme Court Judge Supreme Court State Senator State Representatives Trosecuting Attorney

a As all officers in this group are constitutional, the creation of each office dates back to 1851, when the Constitution was adopted.

In addition, the Lieutenant-Governor receives a per diem of \$8.00 during the sessions of the General Assembly. c Appointed to succeed L. N. Hines, who resigned.

d There are 50 state senators, of whom 41 are Republicans and 9 Democrats; there were 100 state representatives, of whom 89 are Republicans and 11 Democrats. In addition to the \$6.00 per day for each day the General Assembly is in session, each senator and representative receives mileage for one round trip.

Except in the larger counties where the county commissioners may pay additional compensation.

Except in circuits of one county only and having a population of from 71,000 to 150,000 and from 77,000 to 82,000.

II. STATUTORY OFFICES—DEPARTMENT HEADS

OFFICE	Date Created	Elected or Appointed	Term, Years	Present Incumbent and Politics	Residence	Term Began		Term Expires	Salary
Attorney-General	1855 1852 1891	Elected Elected Elected	Four Four Four	Ulysses S. Lesh (R). Will H. Adams (R). Ethan A. Dausman (R).	Huntington. Wabash. Goshen.	1, 13,		13,1	\$7,500 5,000 6.000
				Ira C. Batman (R) Solon A. Enloe (R) Charles F. Remy (R) Willia C. McMahan (P)	BloomingtonDanvilleIndianapolis.	Jan. 1, 1 Jan. 1, 1 Jan. 1, 1	1921 Jan. 1919 Jan. 1919 Jan.	n. 1, 1925 n. 1, 1923 n. 1, 1923	000000
Fire Marshal.	1913	App. by Governor.	Four	Alonzo L. Nichols (R) Newman T. Miller (R)	Winchester	15,		15,	6,000 4,000
	1895	App. by Bd. Bidgs. and Property App. by Governor.	Pleasure of Bd	Roy Couch (R)	Sheridan	Apr. 16, 1 June 6, 1	1921 1919 M.	May 1, 1923	2,500
	1919	App.by State Highway Commission	Pleasure of Bd	Lawrence E. Lyons (R)	Brook		:		Fixed by Comf
mission conservation com-	1919	App. by Conserva- tion Commission	Pleasure of Bd	Richard Lieber	Indianapolis	April 1, 1919	919		4,000
Clark State Printing Road	19199	App. Live Stock Sanitary Board	Pleasure of Bd	R. C. Julian	Delphi	July 9, 1	1921 July	ly 9, 1922	Fixed by Board
Clerk Election Commissioners	19159	Printing Ex-Officio Clerk	Four	Geo. H. Healey (R)	Frankfort	May 26, 1	1921 Ju	June 1, 1925	\$2,700
Secretary State Board of Health	1881	Printing Board	Four	Geo. H. Healey (R)	Frankfort	May 26, 1	1921 Ju	June 1, 1925	No salary.
Secretary Board of State Charities	1889	App. Board of State	Four	Dr. John IN. Hurty	Indianapolis	:	:		4,000
State Librarian	1841	Charities	Pleasure of Bd	Amos W. Butler Demarchus C. Brown	Indianapolis	Jan. 1, 1898 April 1, 1921	•	April 1, 1923	Fixed by Board 2, 500

f Subject to the approval of the Governor. ϱ First date year re-established in present form.

II. STATUTORY OFFICES-DEPARTMENT HEADS-Continued

Salary	\$1,800 Fixed by Com. Fixed by Board 1,200
Term Expires	
Term Began	July 1, 1918 Mar. 27, 1918 April 1, 1919 Oct. 1, 1918 Aug. 31, 1917
Residence	Danville
Present Incumbent and Politics	App. Supreme Court Pleasure of Court William J. Hamilton. Indianapolis App. Library Com. Pleasure of Com. William J. Hamilton. Indianapolis App. by Board. Pleasure of Bd. Charles Kettleborough. Indianapolis App. Bd. Control. Pleasure of Bd. Oran Perry. Indianapolis Ex-Officio
Term, Years	Pleasure of Court Pleasure of Com. Pleasure of Bd.
Elected or Appointed	App.SupremeCourt App. Library Com. App. by Board App. Bd. Control Ex-Officio
Date Created	81 190 191 193 193 193 194
OFFICE	Law Librarian Secretary Public Library Com. Director Legislative Reference Bureau. Superintendent Soldiers' and Saliors Monument State Chemist

III. STATUTORY OFFICES-DEPUTIES AND CHIEFS OF DIVISIONS

Salary	2, 500 2, 500 1, 2, 500 1, 800 2, 000 2, 000	No salary. Fixed by Com.f	Fixed by Com.f No salary.	Fixed by Com.f No salary.	\$3,000 Fixed by Board
Term Expires	Oct. 1, 1922 Oct. 1, 1922 Oct. 1, 1922 Oct. 3, 1922				
Term Began		April 1, 1919 April 1, 1919	April 1, 1919	May 1, 1921	July 14, 1919 Jan. 3, 1921
Residence	Indianapolis. Auburn. Evansville. Monticello.	Bloomington Indianapolis	BlufftonIndianapolis	Lafayette.	Indianapolis
Present Incumbent	Miss Adah E. Bush (R). Charles W. Camp (R). T. S. McMurray, Jr. (R). James H. Tomlin. C. Claude Rosenbarger. Wm. C. Harrison.	Pleasure of Com. W. N. Logan. Pleasure of Com. Frank N. Wallace.	Pleasure of Com. Charles C. Dean.	George N. Mannfeld	E. B. Wetherow.
Term, Years	Pleasure of Gov. Four. Two. Pleasure of Aud. Pleasure of Com.	Pleasure of Com.	Pleasure of Com.	Pleasure of Com.	Pleasure Board of Education. E. B. Wether Pleasure of Supt. E. A. Wreidt
Appointing Power	Governor Governor Governor Governor Auditor of State Commission Commission Conservation	Commission i Commission i	Conservation Commission f Conservation Commission i	Conservation Commission i Conservation Commission	App. Supt. Public Instruction App. Supt. Public Instruction
Date Created	1852 1920 1920 1911 1911 1919 1913 1889–	1919g 1899- 1919g	1919 1919 1919	1881– 1919 <i>g</i> 1921	1913
OFFICE	Secretary to Governor Bank Commissioner Commissioner of Insurance Building and Loan Clerk Clerk Land Department Secretary Tax Commission. Inheritance Tax Investigator. Geologist	Entomologist	Forester. Supt. Lands and Waters	Supt. Fisheries and Game Engineer	High School Inspector Director Vocational Education

-	Fixed by Board	Fixed by Board Fixed by Board	Fixed by Board	Fixed by Board	.:	Fired her Doned	\$3,600	Fixed by Com.	900	Eired by Beard	Fixed by board	Fixed by Com f
0	2, 1915	14, 1919 1, 1921		12, 1912	1, 1919		1, 1921	1, 1919	28, 1918	1010	9161	
į	Jan.	June Aug.		July	Nov.	Gont	May.	Dec.	Sept.	ran.	ren.	
1	Larayette	Bloomington	Indianapolis	Indianapolis	Indianapolis	Indianamalia	Monticello	Indianapolis Rockville	Terre Haute	Tract Office	Last Chicago	
77 O M	Z. M. Smith	Usear H. Williams Estes Duncan	William F. King	W. H. Shimer	I. L. Miller	If M Wainht	L. C. Loughry.	Edward J. Boleman.	John Geiger James E. Reagin	Many Literic Com	Fleasure of Dd. Mrs. L. Luella Cox	App. Director l Pleasure of Com. A. H. Hinkle, Maintenance C. Gray, Chief. Wm. J. Titus, Bridge
		Pleasure of Bd	Pleasure of Bd	Pleasure of Bd	Pleasure of Bd	Dloggues of Dd	Pleasure of Com.	Pleasure of Bd.	Pleasure of Bd	Distance of Dd.	rieasure of Dd	Pleasure of Com.
App. Supt. Public Instruction and	FurdueTeachers' Training	Pension Board	Health	of Health	App. State Board of Health	App. State Board	: :	App. by Com	: :.	App. Indus. Dd	App. mans. Da	App. Director l
1913	1919	1915	1005		1905		1913	1915	1911	1918-	1919	1919
Supervisor Agric. Education	Supervisor of Teachers' Training	Clerk Teachers' Pension Board.	Supt Tohomatows of Hymione	outle Laboratory of Liyerche	Supt. Chemical Division. Food and Drug Commissioner. Com'r Weights and Measures. Surrection of Oil Inspection	Registrar Vital Statistics.	Secretary Public Service Com	Engineer Public Service Com Secretary Industrial Board	Inspector of Bactories	Chief Women's Department	Engineers Highway Commission	Transport of the state of the s

Subject to the approval of the Governor.

First date year of original creation; last date year re-established in the present form.

h On recommendation of Tax Commission.

Subject to approval of Conservation Commission.

j Acting. k With approval of Board of Education.

With the approval of the Commission.

IV. PERMANENT STATE BOARDS AND COMMISSIONS-APPOINTIVE AND EX-OFFICIO

Department	Date Created	By Whom Appointed	Term, Years	Present Incumbent and Politics	Residence	Term Began		Term Expires	Salary
Board of Tax Commissioners		Governor	Four Four Four	William A. Hough (R) John J. Brown (R) Philip Zoercher (D)	Greenfield Rockport Indianapolis	Sept. 1, Dec. 1, Dec. 4,	1921 1920 1920 1920	Sept. 1, 1925 Dec. 1, 1924 Jan. 8, 1923	\$4,500 4,500 4,500
Dogra of Education	1913g	Ex-officio Ex-officio Ex-officio	Two.	Benjamin J. Burris. W. L. Bryan, Pres. Ind. Univ. Henry W. Marshall, Acting Pressident Purches Inversity.	WashingtonBloomington	Oct. 1, Jan. 21,	1921	Mar. 15, 1923	No salary.
		Ex-officio. Ex-officio. Ex-officio.		Linnaeus N. Hines, President State Normal E. U. Graff, Supt. of Schools. I. P. Benezet, Supt. of Schools	Terre Haute Indianapolis Evansville	Sept. 20, Dec. 9,	1917		No salary. No salary. No salary.
		Ex-officio Governor Governor Governor	Four. Four. Four.	Louis C. Ward, Supt. of Schools Mrs. Richard Edwards. George R. Grose Elwood Haynes. Wrs. F. F. Olocht (D)	Fort Wayne. Peru. Greencastle. Kokomo. North Varnon	Nov. Jan. 23, May 1, May 1,	1920 1922 1921 1921	4	No salary. No salary. \$5 per day. \$5 per day.
Public Service Commission	1913	Governor. Governor.	Four Four Four	Harry Fidler (R) Clifford Funderburg John W. McCardle (R) Högar Blessing (R)	Indianapolis Huntington. Indianapolis. Danville.	May 10, May 10, May 17,	1919 1920 1917 1921	May 1, 1923 May 1, 1924 May 1, 1921 May 1, 1921	\$5 per day. No salary. \$6,000
Industrial Board	1915	Governor	Four	Maurice Douglass (D). Oscar Ratts (R). Samuel R. Artman (R). Thinney Dresser (R). Thinney Dresser (R).	Auburn Flat Rock Paoli. Lebanon. Peru		1921 1922 1922 1919	1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	0,0,0,4,4,4 0,000,000 0,000,000
Board of Health	1891	Governor	Four	Thomas A. Riles, (L.) Charles Fox (D). Charles B. Kern (R). J. H. Hewitt (R). Hueh A. Cowing (R).	Indiana Marian Indianapolis Terre Haute Lafayette Terre Haute Muncie	May 24, Sept. 15, April 27, April 27,	1920 1920 1920 1920	May 24, 1925 Mar. 16, 1924 May 6, 1923 May 6, 1923 April 14, 1921	4,000 4,000 No salary. No salary. No salary.
Board of State Charities	1889	Ех-о́бісіо	Four. Three	Dr. J. N. Hurty, Seoretary Dr. Adah McMahan (R). Warren T. McCray, (Gov.), Wm. J. Sayers. Francis H. Gavisk. Mary A. Spink.	Indianapolis Lafayette Kentland Muncie Indianapolis	May 6, Jan. 10, Mar. 11, Mar. 10, Mar. 10,	1921 1921 1920 1922 1922	920-00	\$3,000 No salary. No salary. No salary. No salary.
				Kabbi Moris M. Feuericht. Mrs. John Lee Dinwiddie (R). L. A. Harriman.	Indianapolis Fowler	Jan. 7, Feb. 1, April 4,	1921 1921 1921	Nov. 1, 1923 Feb. 1, 1924 April 4, 1924	No salary. No salary. No salary.

1919 April 17, 1922 1921 17, 1923 1921 April 17, 1924 1920 April 17, 1924 1920 April 1, 1924 1922 April 1, 1925 1922 April 1, 1925 1922 April 1, 1926 1922 April 1, 1926 1922 April 1, 1926 1922 1922 1926	April 1, June 8, June 8,	1921 June 8, 1924 1921 June 8, 1923 1920 April 6, 1924 1919 April 6, 1923 1919 April 6, 1923	10,	1919 May 1, 1923 1917 Jan. 1, 1921 1922 Jan. 1, 1926	1921 Jan. 10, 1925	24, 1920 NOV. 24, 1922 NO Salary. 10, 1921 Jan. 10, 1925 NO Salary. 6, 1922 NO Salary. 10, 1921 NO Salary. 10, 1922 NO Salary.	1920 Nov. 27, 1922	1921 Feb. 10, 1923 1921 Jan. 1, 1923 1921 Jan. 10, 1925	27, 1922 Nov. 27, 1924 No salary.27, 1920 Nov. 27, 1922 No salary.	(3, 1921) Jan. 13, 1925 No salary. (6, 1919) May 1, 1923 No salary. (7, 1921) June 7, 1935 No salary. (2, 1919) June 7, 1923 No salary.
April 1 April 1 April 1 April 1				June Jan. Jan.		Nov. 2 Jan. 1 Mar.			Nov. 2 Nov. 2	Jan. 1 June June July
Connersville Evansville Ft. Wayne Attica Lafayette Indianapolis Anderson		Latayette. Orleans. Connersville. Crawfordsville. Indianapolis. Bloomington.	is	Warsaw. Indianapolis.		Franklin. Kentland. Indianapolis.		Kokomo	Franklin	Wabash Warsaw Columbus Bedford
Earl Crawford (D). Alvin V. Burch (R). Walter G. Zahr (U). Charles Ziegler (R). Skanley Coulter (R). John W. Holkzman (D). E. Mortimer Wilson (I).	W. A. Guthrie (R). Dr. Josiah H. Mills (D). A. D. King (R). Dr. Edward J. Tansey (R).	John W. van Atta (K). R. C. Jenkins (D). Elizabeth C. Earl. C. H. Oldfather. Thomas C. Howe. Dr. W. L. Bryan.	Henry W. Marshall. Demarchus C. Brown. Warren T. McCray (R). William G. Oliver (R).	Jesse E. Eschbach (R) Adolph Seidensticker (D) Frank L. Hovis (R)	Albert D. Inomas (K). Warren T. McCray, (Gov.) Ed. Jackson, Secretary of	State (R) William G. Oliver (R). Warren T. McCray. William W. Spencer (D).	Ed. Jackson, Secretary of State (R)	of State Ulysses S. Lesh (R), AttyGen. Warren T. McCray (R), Gov. Ed. Jackson, Secretary of	State (R) Wm. G. Oliver, Auditor of State (R)	Will H. Adams, Reporter Su- preme Court (R). Jesse E. Bschbach (R) Lawrence F. Orr (R). Walter G. Owens (D).
Four	Four	FourPresident I. U	Acting Fresident Purdue State Librarian. Four. Two.	Four.	Four. Two	Two. Four. Two.	Two	Two. Four Two.	Two	Four.
Governor	Governor	GovernorEx-officio	Ex-officio	Governor	Ex-officio	Ex-officio. Ex-officio. Governor	Ex-officio	Ex-officio. Ex-officio. Ex-officio.	Ex-officio	Ex-officio
1917- 1919g 1919	1919	1899	1909	1903	1895	1889	1915	1885- 1921g		1915
Highway Commission	Live Stock Sanitary Board	Public Library Commission Board Legislative Reference	Bureau Board of Accounts	Pardon Board	Board of Public Buildings and Property	State Board of Election Commissioners	State Board of Canvassers	Board of Public Printing		Board Certified Accountants

IV. PERMANENT STATE BOARDS AND COMMISSIONS-APPOINTIVE AND EX-OFFICIO-Continued

9	Doto	_	Term	Present Incumbent		Term	Term	
Department	Created	Appointed	Years	and Politics	Kesidence	Began	Expires	Salary
Board of Pharmacy	1899	Governor	Four	Lawson J. Cook (R). Robert J. Beddoe (D).	GoodlandBedford	May 6, 1921 May 1, 1922	May 6, 1925 May 6, 1926	
				President. Charles E. Reed (R).	Indianapolis	6, 11,		
Board of Medical Registration and Examination	1897	Governor	Four	Frank B. Meyer (R). A. B. Caine (R). Wm. R. Davidson (R).	Gary. Marion. Evansville.	1,5,5,	<u> </u>	
				Paul R. Tindall (R) W. A. Spurgeon (R) Eldridge U. Shanklin (D)	Greensburg Muncie Hammond	જ જ જ	ន់ន់ន	
Board of Registration and Examination of Nurses	1905	Governor	Three	Wm. T. Gott (D), Secretary. Ida J. McCaslin, Secretary. Catherine McManus (D).	Crawfordsville. Lebanon. Indianapolis.	Aug. 2, 1920 July 9, 1921 July 9, 1921	April 23, 1924 July 9, 1924 July 9, 1922	\$250 1,200 \$5 per day.
				Nellie Brown (R) Mary Louise Happel (R) Flizeboth Springer (R)	Indianapols. Evansville. Huntington	တြော်တ	တြတ်ဝ	\$5 per day.
Optometry Board	1907	Governor	Three	Dr. C. D. Adair (R) W. T. McCullough (R)	Elwood Indianapolis.	19, 19,	19,	\$10 per day.
				Dr. John H. Ellis (R) Orris Booth (D)	South Bend	19,	19,	
Board of Embalmers	1901	Governor	Four	Dr. Charles A. Meigs (K). Marion B. Stults (R). John Paul Racsdale (D).	Fort Wayne Huntington Indianapolis			\$5 per day.
				James M. Chappell (R). J. U. Maynard (R) Secy.	Kendallville. Winchester.	8,8	2,2,2	\$5 per day. \$300
Board of Dental Examiners	1913	Dental Ass'n	Тwo	Harry M. Allen (R). V. H. Knapp, Pres. Heory C. McKittrick, Secv-	Peru. Evansville.	14, 28,		\$5 per day. \$10 per day.
		Dental Ass'n. Bd. of Health		Treas. Robert R. Gillis.	Indianapolis Hammond. Valparaiso	June 28, 1921 June 28, 1921 June 28, 1921	June 22, 1923 June 28, 1923 June 28, 1923	
Stallion Enrollment Board	1913	Governor. Draft Horse		E. C. Bachfield (R)	Indianapolis	22,	22,	•
		Bd. of Agric	Three	Roy Graham. Lin Wilson.	Franklin. Jonesboro.	Dec. 1, 1920		\$5 per day.
Board Control, Soldiers' and Sailors' Monument	1901	Purdue Univ	Three	R. B. Cooley A. B. Crampton (D) Dr. Thomas C. Stunkard (R)	Lafayette Indianapolis Terre Haute	Jan. 23, 1922 Jan. 23, 1922	Nov. 1, 1924 Nov. 1, 1922	No salary. No salary.
				Thomas B. Springer (R)	Sullivan	- ,		No salary.

No salary.	No salary. No salary.	No salary.				\$3,000
10, 1925	24, 1922 10, 1925	24, 1922 10, 1923	1, 1922 1, 1923 1, 1924 1, 1925 1, 1925	1, 1923 1, 1923 1, 1924	28, 1922 28, 1922 28, 1924 28, 1924 1925	
Jan. Nov.	Nov. Jan.	Nov. Feb.	Aug. Aug. Aug. Aug.	Jan. Jan. Jan.	Jan. June June June	June
10, 1921	24, 1920 10, 1921	24, 1920	1, 1921 1, 1921 1, 1921 1, 1921 1, 1921		28, 1921 28, 1921 28, 1921 28, 1921 1921	
Jan. Nov.	Nov. Jan.	Nov. Feb.	Aug. Aug. Aug. Aug.	July July	June June June	June
Kentland	Franklin Kentland	Franklin Kokomo	Indianapolis Anderson Columbus Marion Indianapolis	Terre Haute South Bend. Lagrange.	Indianapolis Evansville Plainfield Anderson Peri	Jeffersonville. Fort Wayne
Warren T. McCray (R) Ed. Jackson (R), Secretary of State	Wm. G. Oliver (R) Auditor State Warren T. McCray (R), Gov Wm. G. Oliver (R) Auditor of	State Ora J. Davies (R), Treasurer of State	Thomas C. Howe, (R). James M. Larmore. Donald DuShane. Miss Florence Case. Eben H. Wolcott.	R. L. McCormick Chas. W. Cole Clyde A. Walb	narvey whether Annuary Herbert Foltz. Mrs. Albion Fellows Bacon. Chas. A. McGonagle. Mrs. Ella B. Kehrer. Mrs. Iohn W. Rossard	John R. Nutter Carina C. Warrington
Four.	Two	E	Four	Four	Four	Four
1915 Ex-officio.	Ех-оfficio		Governor	Governor	Governor	Governor
1915		100	1915 1915 1921	1921	1921	1921
State Charter Board	State Finance Board		Board Industrial And for Bind Teachers' Retirement Fund	Board of Registration of Engineers	Advisory Juvenile Commission.	Juvenile Probation Officer

g. First date year of original creation; last date year re-established in present form.

V. STATE EDUCATIONAL INSTITUTIONS

Salary	\$5 per day.	
Term Expires	1924 1924 1923 1923 1923 1923 1923 1923 1924 1925 1924 1925 1924 1925 1925 1926 1927 1926 1927 1926 1927 1926 1927 1928 1928 1928 1928 1928 1928 1928 1928	
Term Began	July 1, 1921 July	
Residence	Logansport. Bloomington Bloomington Bloomington Evansville Fort Wayne Bathanapolis Fort Wayne Bathanapolis Fort Wayne Bathanapolis Crawfordsville Lafayette	-
Present Incumbent and Politics	Benjamin F. Long Edwin Corr. Samuel E. Smith Ira C. Batman Frank H. Hatfield James W. Fester Charles M. Nieser George Ball John A. Hillenbrand C. M. Hobis. Manes W. Noel. Walter L. Breaks Joseph D. Oliver Mr. Virginia C. Meredith. Henry W. Marshall Franklin F. Chandler Perry H. Crane Walter E. Rich (D) Charles Butler (R). Wan M. Waltschmidt (R). Wm. M. Waltschmidt (R). Wm. M. Waltschmidt (R). Wm. M. Waltschmidt (R). Waren S. Bigler (R). Sanford M. Kelbure (R). Waren S. Bigler (R). Sanford M. Kelbure (R). Franklis Ball (R). W. C. Ball (R). V. C. Ball (R).	
Term, Years	Four. Four.	
By Whom Appointed	Bd. of Education. Alumni. Alumni. Bd. of Education. Bd. of Education. Bd. of Education. Bd. of Education. Covernor. Governor.	
Legar Trre	Indiana University (Trustees) Purdue University (Trustees) School for Blind (Trustees) Skate Normal School (Trustees)	

Salary	\$300	\$300	\$300	3300	300	\$300	\$300	\$300	\$300	8300
Term Expires		June 8, 1925 May 6, 1923 May 6, 1923 Anril 7, 1925	8000	May 10, 1924 May 10, 1923 Jan. 1, 1924 Jan. 1, 1925 Jan. 1, 1926	ಶೈಸೆಸೆಸ್	óപ്പ്പ്	5,0,1,1	တိုင်းင်း		Mar. 15, 1924 May 24, 1924 May 24, 1925 May 24, 1922 May 24, 1923
Term Began	8, 1921 12, 1921 8, 1921	8, 1921 6, 1919 7, 1919	16, 1921 10, 1921 10, 1921 10, 1921	1921 1920 1921 1922	21, 1919 1, 1922 8, 1921 1, 1921	19, 1919 1, 1920 17, 1922 8, 1922	1, 1920 1, 1920 1, 1920	10, 1919 1, 1920 1, 1921 1, 1918	1, 1919 15, 1921 15, 1922 15, 1919	Mar. 15, 1920 N May 24, 1920 N Feb. 14, 1922 N May 24, 1919 N May 24, 1919 N
Residence	:::	Indianapolis Bluffton Fort Wayne			Noblesville Portland Liberty Rushville			: : : :	Indianapolis Indianapolis Mooresville Rushville.	
Present Incumbent and Politics	Joseph Minturn. James S. Engle (R). Daniel F. Mustard (D).	Mrs. Ida S. McBride James W. Sale (R). Edward Wilson (D). T. F. Biterillon (D).	Mrs. E. A. Gould (R.). David N. Foster. Dr. Clark Rogers. John Bennett Lyons.	Caroline B. Morrison. Winfield T. Durbin. Eph. Inman (D). Bact E. Page (R). Miss May Helmer (R).	Charles Jenkins (D). Theodore Bailey (R). Mrs. A. K. V. Kennedy (D). Joseph L. Cowing (R).	Walter Chambers (D). Henry B. Wilson (D). Mrs. Emma B. Dalton. Charles W. Isenbarger (R).	Moses Epstein (D). Wood Posey (D). J. T. Akin. Joseph L. Bayard, Jr. (R).	Bird H. Davis (R). John A. Quinn Mrs. Janette J. Harris (R). John F. Russell (D).	James W. Lilly (R). Wilmer Christian (D). Harry C. Seearce (R). Rush G. Budd (D).	I. M. Bridgman (R). Parke Beadle (D). Mrs. Nevada Duncan (D). James S. Wright (R). Clement E. Kelley (R).
Term, Years	Four	Four	Four	Four	Four	Four	Four	Four	Four	Four
By Whom Appointed	Governor	Youth Governor	Governor	Governor	Governor	Governor	Governor	Governor	Governor	Governor
Legal True	Soldiers' and Sailors' Orphans' Home Governor	School for Feeble-Minded Youth (Trustees)	Soldiers' Home (Trustees)	Central Hospital for Insane (Trus-tees)	Eastern Hospital for Insane (Trus- Governor	Northern Hospital for Insane (Trustees)	Southern Hospital for Insane (Trus-tees)	Southeastern Hospital for Insane (Trustees)	Village for Epileptics (Trustees)	State Sanatorium (Trustees)

VI. STATE BENEVOLENT INSTITUTIONS-Continued

Salary	1925 No salary. 1926 1923 1924		Salary	\$300 323 323 300 323 300				\$23 \$23 \$23 \$23	1923 1922 1925 1925 1936	979
Term	Jan. 2, 19 Jan. 2, 19 Jan. 2, 19 Jan. 2, 19		Term Expires	1,0,0,0	April 1, 19 April 1, 19 April 1, 19	-í-í-í-c		2000	10,7,7,7	;
Term Began	Jan. 2, 1921 Jan. 2, 1922 Jan. 2, 1920 May 26, 1920		Term Began	Mar. 13, 1921 April 10, 1919 April 10, 1919 April 21, 1919	إحاجا	, , , , ,		7,0,0,0		, e2,
Residence	Columbus Lafayette Madison . Seymour	NOIS	Residence	Rockville. Shelbyville. Fort Wayne. Clarks Hill.	Indianapolis Lafayette Indianapolis	Crawfordsville West Point South Bend.	Knox Indianapolis Anderson New Castle	French Lick. Indianapolis. Indianapolis. Martinsville	Sullivan. Terre Haute. Crawfordsville. Greencastle.	vincennes
Present Incumbent and Politics	Wm. P. Keller (R). Wm. Aitkinhead (D). Elmer E. Scott (D). Wm. L. Clark (R).	STATE CORRECTIONAL INSTITUTIONS	Present Incumbent and Politics	Edwin M. Carter (R). Jacob G. DePez (D). Jesse A. Green (R). Perry Dayis (D).	Mrs. Samuel M. Ralston (D) Frances Beadle (R) Mrs. I. G. Rothschild (R)	Mrs. Emerson E. Ballard (D). Jess C. Andrew (R). John B. Stoll (D). Michael E. Poley (D)	John L. Moorman (R). Oren S. Hack (D). Joseph E. Henning (R). Charles W. Mouch (D).	Will W. Cave (R) Mrs. Joseph B. Kealing (R) Charlotte J. Dunn (D) Marcaret Noelv (R)	Alice Wilkie Poynter (D). Wm. C. Ball (D). Sherm. A. Trout (R). Carl C. Heustis (R).	Claude Gregg (D)
Term, Years	Four	VII. ST	Term, Years	Four	Four	Four	Four	Four	Four	
By Whom Appointed	Governor)	By Whom Appointed	Governor	Governor	Governor	Governor	Governor	Governor	
Indal Title	Farm Colony For Feeble-Minded (Trustees)		LEGAL TITLE	Boys' School (Trustees)	Girls' School (Trustees)	State Prison (Trustees)	State Reformatory (Trustees)	Women's Prison (Trustees)	State Farm (Trustees)	

VIII. LIST OF SUPERINTENDENTS OF STATE INSTITUTIONS—APPOINTED BY TRUSTEES

Date Appointed	May 1, 1883 May 27, 1920 April 14, 1891 May 1, 1915 May 1, 1915 May 1, 1917 May 1, 1922 May 9, 1992 June 10, 1919 June 10, 1918 Aug 2, 1918 Aug 2, 1918 Feb. 4, 1920
Location	Indianapolis Loganapolis Loganaport Richmond Richmond Lalaysvette Lalaysvette Lalaysvette Indianapolis Indian
Institution	Central Hospital for Insane. Northern Hospital for Insane. Eastern Hospital for Insane. Eastern Hospital for Insane. Southern Hospital for Insane. Southern Hospital for Insane. Soldiers' Home. Soldiers' Ho
SUPERINTENDENT	Dr. George F. Edenharter. Dr. Samuel Dodds. Dr. Samuel Dodds. Dr. Samuel Dodds. Dr. Charles E. Jaughlin. Dr. James W. Milligan. Col. Gilbert R. Stormont. Luther Shavon E. Bigss. Dr. Wro Yan Nuys. Dr. Amos Carter. Gorge S. Wilson. E. J. Fogarty. G. A. H. Shideler. Ralph Howard Margaret M. Elliott. Dr. Retosha Sessions. Dr. Kenosha Sessions. Dr. Kenosha Sessions. Dr. Kenosha Sessions. Dr. Kenosha Sessions.

IX. MISCELLANEOUS—COMMISSIONS AND BOARDS

Salary	No salary.	No salary.
Term	10, 1925 26, 1919 26, 1919 26, 1919 26, 1925 26, 1925 26, 1925 11, 1925 11, 1923 11, 1923 12, 1924 13, 1924 14, 1923 16, 1924 17, 1924 18, 1924 19, 1924 1924 1924 1924 1924 1924 1924 1924	10, 1924 10, 1924 10, 1924 10, 1924 10, 1924 10, 1924
A	Agni April A	Jan. Jan. Jan. Jan. Jan.
Term Began	10, 1921 26, 1915 26, 1915 26, 1922 26, 1922 26, 1921 26, 1921 27, 1922 28,	10, 1920 10, 1920 10, 1920 10, 1920 10, 1920 10, 1920 10, 1920
	Jan. April. Apri	Jan. Jan. Jan. Jan. Jan. Jan.
Residence	Kentland Richmond Bloomington Fort Wayne March Fort Wayne Fort Way	Indianapolis. Indianapolis. Richmond. South Bend. Fort Wayne. Evansville. Indianapolis.
Present Incumbent and Politics	Warren T. McCray Harlow Lindley, Secretary James A. Woodburn Samuell M. Foster (D) Frank B. Wynn, Vice-Pres. (R) Hrs. John N. Carey (R) Lew O'Bamon (D) Lew O'Bamon (D) Warren T. McCray J. H. Skimer S. W. Taylor Guy Cattwell G. W. Pickhardt G. R. Kemper G. W. Pickhardt G. R. Kemper M. W. Mislon Mac. M. Ooffing E. J. Barker Thomas Grant Lin Wilson Lin Berberter G. Y. Bepler G. Y. Hepler G. S. Brouse G. Y. Hepler G. S. Jesterin Moses Epstein	Evans Woollen. Myra Reynolds Richards. Myra Reynolds Richards. Mrs. Metville-T. Johnson. Ernest W. Young. Charles A. Epanley. Dr. Gardner C. Johnson. Robert F. Daggett.
Term, Years	Four.	
By Whom Appointed	Ex-officio Dir. Archives Dir. Survey Governor Go	Governor
Date Created	1915	1919
LEGAL TITLE	Historical Commission Board of Agriculture Joint Purchasing Committee State—Memorial Art	Commission

No salary.	
10, 1924 10, 1924 10, 1924 10, 1924 10, 1922 10, 1922 10, 1922 10, 1923 10, 1923 10, 1923 10, 1923	Sept. 1, 1923 Sept. 1, 1922
NOW. NOW. NOW. NOW. NOW. NOW. NOW. NOW.	Sept.
10, 1920 10, 1920	8, 1922 8, 1922 1, 1, 1922 1, 1, 1, 1932 1, 1, 1, 1, 1932 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1
Nov. Nov. Nov. Nov. Nov. Jan. Nov. Nov. Nov. Nov.	Sept. Sept. Sept. Aug. May
Evansville Gary Cawfordsville Crawfordsville Ninchester South Bend New Albany Indianapolis Indianapolis Marion Vincennes Terre Haute Parokville Pt. Wayne	Lake Lincoln City Comersville Boonville Boonville Rensselaer Terre Haute Lafaysette Lafaysette East Chicago South Bend East Chicago South Bend Fort Wayne Indianapolis Indianapolis Indianapolis Indianapolis Indianapolis Neweastle Niwe Albany New Albany
Marcus Sonntag (Pres). William P. Glesson. James P. Glesson. Anne Studebaker Carlisle. Anne Studebaker Carlisle. Anne Studebaker Carlisle. Anne Studebaker Obren. Evans Woollen.	Dr. J. C. Jolly Andrew J. Rhodes, Hyatt L. Frost Roscoe Kiper Abraham Halleck Chas. M. Curry Byron H. Somers J. A. Van Oedol Wm. O. Schanlaub Caroline Shoemaker Walter J. Riley Albert R. Erskine David N. Poster Finley Nash. Dr. T. Victor Keeme Geo. J. Nattkemper Thomas H. Adams Thomas A. Daily (R.) Michael E. Foley (D.) Geo. J. Nattkemper Thomas A. Daily (R.) With O'B. W. H. O'Brien (D.) Chas. Mouch (D.) Chas. A. Michaelr Dr. S. E. Sunth Geo. H. Hatter, (R.) W. H. O'Brien (D.) Chas. A. Michaelr Miss Drue Faweett Fred Kabler, Sr. Dr. A. P. Haussee, Jr.
Three	Four
Governor	Governor Governor Governor Governor Governor
1920	1921 1921 1921 1921 1921
World War Memorial(Trustees)	Commission for the Erection Commission for Codification of Drainage Laws Educational Survey Commission Interstate Harbor Commission of Illinois and Indiana Heary W. Layton Monument Commission for the Removal of the Reformatory (Advisory Committee) (Advisory Committee) Graves of Ex-Governor Ashbel P. Willard and Michael Kerr.

CONGRESSIONAL DELEGATION—SIXTY-SEVENTH CONGRESS

(March 4, 1921, to March 4, 1923)

UNITED STATES SENATORS

Terms, Six Years; Salary, \$7,500

Harry S. New, Indianapolis, elected November 7, 1916. (Rep.) Term expires 1923. James E. Watson, Rushville, elected November 2, 1920. (Rep.) Term expires 1927.

REPRESENTATIVES IN CONGRESS

Term, Two Years; Salary, \$7,500

Elected November 2, 1920. Republicans, 13.

District-

- 1. Oscar R. Luhring, Evansville, Republican.
- 2. Oscar E. Bland, Linton, Republican.
- 3. James W. Dunbar, New Albany, Republican.
- 4. John S. Benham, Benham, Republican.
- 5. Everett Sanders, Terre Haute, Republican.
- 6. Richard N. Elliott, Connersville, Republican.
- 7. Merrill Moores, Indianapolis, Republican.
- 7. Merrin Moores, Indianapons, Republican
- 8. Albert H. Vestal, Anderson, Republican.
- 9. Fred S. Purnell, Attica, Republican.
- 10. William R. Wood, Lafayette, Republican.
- 11. Milton Kraus, Peru, Republican.
- 12. Louis W. Fairfield, Angola, Republican.
- 13. Andrew J. Hickey, Laporte, Republican.

COUNTY OFFICERS

County	County Seat	Auditor	Expiration of Term*	/ Clerk	Expiration of Term*
Adams	Decatur Fort Wayne Columbus Fowler Hartford C.ty.	Martin Jaberg, (D)	1925 1923 1923 1925 1923	John T. Kelly, (D) Kent Sweet, (R) Charles G. Hunter, (R) Frank Carter, (R) Lewis Reeves, (R)	1924 1923 1924 1923 1926
Boone Brown Carroll Cass Clark	Lebanon Nashville Delphi Logansport Jeffersonville .	Ira S. Stephenson, (D) Roston S. Moser, (D) R. C. Davidson, (R) Harry M. Gardner, (D) Thos. L. Stoner, (D)	1924 1924 1924 1923 1924	Winson Jones, (D)	1924 Nov. 18, 1924 Nov. 5, 1924
Clay Clinton Crawford Daviess Dearborn	Brazil Frankfort English Washington Lawrenceburg	Wiley E. Parish, (D) Edward Spray, (R) Archie N. Bobbitt, (R) Daniel I. Meyers, (R) Arthur E. Jackson, (D)	1923 1923 1925 1924 1923	Chas, E. Harris, (D) Elmer E. Sheridan, (R) Ed. Ross, (D) Jonas E. Pershing, (R) James G. McKinney, (D)	1924 1923 Mar. 10, 1924
Decatur Dekalb Delaware Dubois Elkhart	Greensburg Auburn Muncie Jasper Goshen	John C. Barbe, (R) S. D. Johnston, (R) James P. Dragoo, (R) Frank J. Seng, (D) Charles A. Croop, (R)	1924 1923 1923 1924 1924	Robert E. McKay, (R) C. E. McClintock, (R) Frank E. Barber, (R) Charles Bartley, (D) Charles W. Foulks, (R)	Aug. 22, 1923 1923
FayetteFloydFountainFranklin.Fulton	Connersville New Albany Covington Brookville Rochester	Ernest R. Jeffrey, (R) John D. Mitchell, (R) Himan W. Newlin, (R) Frank X. Siebert, (D) John L. McClung, (R)		Ambrose Elliott, (R) Aaron V. Johnson, (D) Robert McKinney, (R) Frank J. Baker, (D) Charles E. Flagg, (R)	1923 1923 1923 1924 1924 1923
GibsonGrantGreeneHamilton	Princeton Marion Bloomfield Noblesville Greenfield	Alfred M. Johnson, (R). Austin D. Hunt, (R). Herschel Corbin, (R). Columbus C. White, (R). Edward A. Cooper, (D).	1923 1926	Harlan Kays, (R)	1924

^{*}Term expires on January 1st of the year given unless otherwise indicated.

· COUNTY OFFICERS-CONTINUED

County	County Seat	Auditor	Expiration of Term*	Clerk	Expiration of Term*
Harrison Hendricks Henry Howard Huntington	Corydon Danville Newcastle Kokomo Huntington	Charles W. Smith, (R) Albert M. Patterson, (R) Elisba McFarland, (R) Orville O. Butcher, (R) J. E. Shideler, (R)	1925 1923 1923 1925 1924	Wm. Roscoe Stevens, (R). Alvin Woodward, (R) Ora Sanders, (R) Henry Quigley, (R) Ed. S. Leverton, (R)	July 26, 1924 1923 1924 1924 1924
Jackson	Brownstown	Samuel Carr, (D)	1925 1924 1924 1923 1923	Frank Shornick, (R) Jesse Nichols, (R) Hanson F. Mills, (R) Harry E. Nichols, (R) Clifford H. Long, (R)	Feb. 24, 1924 May 1, 1924 Nov. 1, 1923 Nov. 13, 1924 1923
Johnson Knox Kosciusko Lagrange Lake	Franklin Vincennes Warsaw Lagrange C own Point	$\begin{array}{c} \mbox{John C. Gregg, (D)} \dots \dots \\ \mbox{John S. Nicholson, (R)} \dots \\ \mbox{Tom J. Nye, (R)} \dots \dots \\ \mbox{John S. Moore, (R)} \dots \\ \mbox{Geo. M. Foland, (R)} \dots \end{array}$	1924 1923 1924 1923 1926	John Beatty, (D) John R. Harrall, (R) Russell H. Butler, (R) Clarence L. Robinson, (R) Herbert L. Wheaton, (R).	1924 Feb. 24, 1924 1924 1925 1924
Laporte Lawrence Madison Marion Marshall	Laporte	Mrs. K. C. Spore, (R) Wm. M. Denniston, (R) Henry P. Hardie, (R) Leo K. Fesler, (R) Z. M. Tanner, (R)	1923 1923 1924 1924 1924	Frank A. Rogers, (R) John R. Andrews, (R) Geo. W. Winfrey, (R) Geo. V. Coffin, (R) Rollo H. Bennett, (R)	May 5, 1925 1926 1923 1923 1924
Martin Miami Monroe Montgomery . Morgan	Peru Bloomington	Bertie L. Newland, (R) Chas. Wolf, (D) Horace Blakely, (R) Ward McClelland, (R) H. H. Nutter, (R)	1925 1923 1925 1924 1923	Sherman McPherson, (R). Merton E. Andrews, (R). John P. Fowler, (R). H. K. Schwindler, (R). E. W. Harper, (R).	1924 1924 Nov. 15, 1922 1925 1923
Newton Noble Ohio Orange Owen	Albion Rising Sun	John G. Davis, (R) H. Clayton Erwin, (R) John R. Elder, (D) P. M. Stephenson, (R) John R. Greene, (R)	1925 1923 1924 1925 1924	Chas. E. Hosier, (R)	1925 Nov. 1, 1924
Parke Perry Pike Porter Posey	Cannelton Petersburg Valparaiso	Ralph E. Porter, (R) Thomas A. Lasher, (R) W. F. Risley, (R) B. H. Kinne, (R) Millard F. Robison	Dec. 1, 1922	Iseac W. Pickard, (R) Alois Birchler, (R) Ferd P. Veeck, (R) R. C. Jones, (R) Edwin Page, (R)	Mar. 10, 1924 1924
Pulaski	Greencastle Winchester Versailles	J. C. Howe, (R) R. E. Knoll, (D) J. M. Browne, (R) W. D. Robinson, (R) Phil Wilk, (R)	1923 1924 1923 1924 1925	Geo. Collins, (R)	1926
St. Joseph Scott Shelby Spencer Starke		Clarence Sedgwick, (R) Wm. K. Horner, (D) Walter W. Leslie, (D) Robert Richards, Jr., (R) Henry A. Smith, (R)	1924 1923 1924 1924 1925	Wilbur Warner, (R)	Feb. 27, 1925
Steuben Sullivan Switzerland Tippecanoe Tipton	Sullivan Vevay	Frank O. Watkins, (R) F. M. Daniels, (D) W. A. Reeves, (D) John C. Doyle, (R) Chas. L. Grishaw, (R)	Mar. 28,'24 1925 1923	Albert J. Collins, (R) Chas. R. Railsback, (D). J. P. Curry. (D) W. W. Johnson, (R). Francis H. Null, (R).	Mar. 28, 1924 1924 1923
Union Vanderburgh. Vermillion Vigo	Newport	Charles Ross, (R)	1925	Leland Bond, (R) Frank C. Grange, (R) C. T. Evans (R) Alonzo C. Duddleston, (R	Nov. 20, 1924
Wabash Warren Warrick Washington	Williamsport Boonville	Ben Banister, (R)	1924 1923 1923 1925	Warner Bartholomew, (R. Wm. Cowgill, (R) Ernest A. Wilkinson, (R) Harry M. Voyles, (D)	1924 1924 Nov. 18, 1924 1925
Wayne Wells White Whitley	Bluffton Monticello	W. H. Brooks, (R) F. B. Fishbaugh, (D) Frank E. Vinson, (R) Walter Burwell. (R)	1924	Linus P. Meredith, (R) M. J. Sawyer, (D) G. V. Love, (R) Lloyd F. Gates, (R)	Nov. 13, 1922 1924

^{*}Term expires on January 1st of the year given unless otherwise indicated.

Expiration of Term	1923 1923 1923 1923 1924	1923 1923 1923 1924 Nov., 1922	1923 1923 1924 1924	1923 1923 1924 1923 1923	1923 1923 1923 1923 1923	1923 1923 1923 1923 1923	1923 1923 1924 1923 1923
Sheriff	Sephus Melchi, (D). Albert A. Abbott, (R). John W. Phillips, (R). John B. Jeonard, (R). Charles Bennett, (R).	Joe E. Cain, (R). Clinton Moore, (D). W. F. Munmert, (R). John H. Miller, (R). Charles W. White, (D).	William Wallace, (R). Madison Ross Allen, (R). Stepten Cunningham, (D). Hugh G. Faith, (B). Julius G. Schwing, (D).	Harry W. Braden, (R.) Twite L. Hoodlemier, (R.) Harry E. Hoffman, (R.) Robert Northoff, (D.) Arthur W. Fonda, (R.)	James E. Steele, (R) Edward Meyer, (D) Ambrose Banta, (R) William Van Camp, (R) Samuel A. Arter (R)	D. J. Flowers, (R.). Albert Fowler, (R.). Frank A. Sherrick, (R.) Frank A. Sherrick, (R.) Claude New, (D.).	Isaac Orwick, (R). Charles T. Clark, (R). Rajph W. Yoet, (R). Ora Butler, (R). Wm. E. Payne.
Expiration of Term	1925 1923 1924 1925 1926	1923 1925 1925 1924 1923	1925 1923 1923 1924 1924	1923 1923 1923 1924	1924 1923 1923 1925	1923 1926 1924 1923	1923 1923 1925 1924 1923
Recorder	Joe McConnell, (D). Frank Cunnison, (R). Issae Evans, (D). Sigel H. Freeman, (R). Dick Dellinger, (R).	John Masters, (D). James Bowden, (D). Ray E. Gardner, (R). Cleo A. Tousiey, (D). James McKinley, (D).	Rolla E. Barnhart, (R.) Harry Bogan, (R.) Lody O. Pranan, (D.) James E. Wright, (R.) Edward Kuhn, (D.)	Harry L. Black, (R). Henry C. Hathiaway, (R). Louis Blessinger, (I). David Miller, (R).	Frank H. Miller, (R.) William Bigler, (D.) Franks, E. Drake, (R.) George W. Portieus, (D.) Lewis V. Hunt, (R.)	George Allen, (R) Harry Linn, (R). Barry Linn, (R). Perry Carroll, (R). Thomas L. Huey, (D).	Roy Duggins, (R) J. W. Noel, (R) Mrs. Mary Caldwell, (R) O. W. Bailey. Isaac B. Wike, (R)
Expiration of Term	1924 1924 1923 1923	1924 1924 1923 1923 1923	1924 1923 1923 1924 1923	1924 1923 1924 1923 1923	1923 1924 1924 1923 1923	1923 1923 1923 1924 1924	1924 1924 1924 1923 1923
Treasurer	Hugh D. Hite, (R) Emest Kampe (R) Smith Carmiched, (R) Frank Cones, (R) Marion L. Linder, (R)	Charles E. Bruce, (R). Josh Snider. Frank S. Girard, (R). John Jay McCornick, (D). Otis B. Fifer, (D).	West Stigler. J. Marcus Smith. J. Benton Pierson, (D). Oliver M. Vance, (R). Gilbert S. Nowlin, (R).	Charles B. Evans, (R) Charles H. Baber, (R) Tred F. Reasoner Joseph A. Sonderman, (D) Fred A. Reed, (R)	James A Coe, (R), Charles A. McCulloch, (R). Harry I. Starnes. Thomas H. Feltz, (D), Harley B. Kumler, (R).	Stanford Witherspoon, (R). Geo. B. Nottingham, (R). John E. Serson, (R). Grover Van Duyn, (D).	William Taylor, (R.) W.H. Walls, (R.) O. P. Hatfield, (R.) T. C. Sanders, (H.) J. Frank Barnes, (R.)
Counties	Adams Allen. Bartholomew Benton. Blackford.	Boone. Brown. Carroll. Cass. Clark.	Clay. Clinton. Crawford. Daviess. Dearborn.	Decatur Dekalb. Delaware. Dubois. Elkhart	Fayette. Floyd. Fountain. Franklin. Fulton.	Gibson. Grant. Greene. Hamilton. Hancock.	Harrison. Hendricks. Henry. Howard.

1923 1923 1923 1924 1923	1923 1923 1923 1923	1923 1924 1923 1923	1923 1923 1923 1924 1924	1923 1924 1923 1923 1923	1923 1923 1923 1923	1923 1923 1923 1923	1923 1923 1923 1924 1924
J. Otis Hays, (D). True D. Woodworth (R) Amen W. Badders, (R) Gilbert Dihammer, (R) Albert Wilds, (R)	Strather Vandiver, (D). Charles Moon, (R). Harlie J. Hern, (R). William H. Olds, (R).	William Anstiss, (R). William Owen, (R). William A. Lewis, (R). George Sinder, (R). Wm. Franklin, (R).	John E. Burress, (R). Homer Penters, (R). Walter Peterson, (R). Ira T. Luddington, (R). Lafayette Scott.	Earl B. Gardner, (R) Charles Black, (R) Ast Goughin, (D). George Pope, (R) William C. McCarty, (D).	William J. Peare, (R) Edward A. Hemphill, (D). Wayne Byan, (R). William Pennington, (R) Enoch W. McFadden, (D).	Frank J. Kopkey, (R) Lawrence A. Sears, (R) Lunda M. Fisher, (R). Thomas Harper, (R). Sidney L. Hunt.	Louis B. Duck, (R). Dillard Roboins. Ray Secton, (R). Albert C. Hargis, (R). Okis T. German, (R).
1923 1925 1924 1925 1925	1923 1924 1923 1925	1925 1925 1924 1923 1925	1925 1923 1923 1925 1925	1923 1926 1923 1925 1925	1923 1924 1926 1924 1924	1926 1923 1925 1926 1923	1924 1925 1924 1924
S. L. Henderson, (D) Warren E. Poole, (R) Ohn T. Heller, (D) Fred Watson, (R) John R. McCaslin, (R)	Mark Webb, (D). Elmer Cummins, (R). Tra Gans, (M). George Gage, (R). William C. Rose, (R).	Thomas F. Crumpacker, (R.) Elmer C. Norman, (R.) Clarence Gooding, (R.) John Castor, (K.) Daniel Bollinger, (R.)	George C. Piper, (R.) Frank Dunn, (D). Frank Bares Studinn, (R.) Frank W. Davis, (R.) Charles F. Scott.	Edgar Stewart, (R) Forrest E. Field, (R) Oliver B. Michell, (D) Arthur L. Dillard, (R) Robert T. Davis, (D)	A. H. Rukes, (R.) J. Elmer Carr. J. Abrert H. Worton. John W. MoNay. David Miller, (D).	David Y. Low, (R) Ollie Ellis, (D). Reid A. Haworth, (R) Daily E. McCoy, (R). Elenor B. Sleeth, (R).	John A. Swanson, (R.) Stacy F. Coleman, (D.) Oscar Howard, (J.) Harvey T. Chinn, (R.) Charles Reasoner, (R.)
1924 1924 1923 1923	1923 1923 1924 1924	1924 1923 1924 1924 1924	1923 1924 1924 1924 1923	1923 1924 1924 1923 1923	1923 1923 1924 1924	1924 1924 1923 1923 1923	1923 1923 1924 1923 1923
Chas. C. Finch, (D). George H. McLain, (R). C. Leroy Morrow, (R). S. Grant Bovard, (R). Harry Y. Whitcomb, (R)	Jesse D. Ellis, (D). Janes M. Adams, (R). La Poulson, (R). George W. Hoff, (R). Ralph B. Bradford, (R).	John Line, (R). Robert Pitman, (R). Rah C. Morris, (R). Rahph A. Lemcke, (R). Charles F. Cooper, (R).	Henry McCord, (R). Charles E. Reyburn, (R). James B. Kerr, (R). Charles H. King. John S. Spoor, (R).	John J. Sall, (R). Morton P. Thomas, (R). Pardley R. Backgood, (R). John L. Teaford, (R). John A. Wells, (R).	John Walter Chapman, (R) W. C. Vogel, (D). H. H. Harmeyer, (R) J. G. Graessle, (R). George A. Ashworth, (D).	Albert B. Diggs, (R.). Otto Webl, (D). Melville B. Mull, (R). William B. Govert, (R). Charles A. Frazee, (R).	M. Albert Sliok, (R). Jeydia Everitt Cranford, (R). George R. Carlisle, (D). Frank M. Harter, (R). Albert W. Carlson, (R).
Jackson Jasper Jay Jefferson Jennings	Johnson Knox Kosciusko Lagrange Lake.	Laporte Lawrence Madison Marion Marshall	Martin Miami Monroe Montgomery Morgan	Newton Noble Ohio Orange Owen	Parke. Perry. Pike. Porter Posey.	Pulaski Putnam Randolph Ripley Rush	St. Joseph. Scott. Shelby Spencer Starke.

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Expiration of Term	1923 1923 1924 1924	. 1923 1923 1923 1923	1924 1923 1924 1923	1923 1924 1923 1923
Sheriff	Frank L. Adams, (R) Ed. Douthirt, (D) Ed. George Stewart Joseph B. Jackson, (R) Joseph A. Innis, (R)	Frank G. Craft (R) Herbert Males, (R) Lewis S. Sweet, (R) Anderson A. Wolfe, (R)	Hoyte A. Summerland, (R). Omer Stewart, (R). Robert D. Williams, (R). John Weir, (D).	Carl Wadman, (R) Noah Fraulinger, (D) Benjamin F. Price, Jr., (R) Leon H. Rupley, (R).
Expiration of Term	1924 1923 1925 1925 1923	1924 1923 1923 1924	1925 1925 1925 1923	1925 1924 1924 1924
Recorder	Harvey Shoup, (R) Roy Drennon, (D). Howard Humphrey, (R) Marvil House, (R) Hazel Swift, (R).	Benton Sizelove, (R) Henry Barker, (R) Clayfon Hudson, (R) John T. Grace, (D).	Jesse F. Parke, (R) David A. Smith, (R) William B. Bethel, (R) George F. Wilson, (D)	Harry T. Fisher, (R) W. S. Thomas, (D) George Gilbert, (R) Eli Bolinger, (R)
Expiration of Term	1924 1924 1924 1924 1924	1924 1924 1923 1924	1923 1924 1923 1924	1923 1923 1924 1923
Treasurer	Earl Tuttle, (R). J. Harve Thompson, (R). Belvnin R. Ferguson, (R). Chas. E. Calsbeck, (R). Earl Hughes, (R).	Wm. E. Crawford. Walter A. Smith, (R). William O. Curtis, (R). George Schaal, (D).	Irvin C. DeLauter, (R). David H. Moffett, (R). Carl C. Gordner, (R). W. L. Taylor, (D).	Thomas I. Ahl, (R). John A. Eversole, (D). E. B. Steely, (R). Mark W. Rhodes, (R).
Counties	Steuben Sullivan Swizerland Tippecanoe Tipton	Union. Vanderburgh. Vermillion. Vigo.	Wabash Warren Warrick Washington	Wayne Wells White.

Expiration of Term	1923 1923 1923 1923 1923	1923 1923 1923 1923 1923	1923 1923 1924 1924	1923 1923 1923 1923	1923 1924 1923 1923	1923 1923 1923 1923	1923 1923 1923 1923 1923
Surveyor	Dick Boch, (D). Ass. W. Grosvenor, (R). Adadley C. Thomas, (R). Joseph S. Van Atta, (R). Brunelle E. Peck, (R).	Oliver Clark, (R) John Brown, (D) J. Reid McGain, (R) James Bennett, in Kepler W. Barnes, (D)	Frank James, (R). Guy D. Brewer, (D). Thomas Cumingham, (D). William L. McCormick, (R). Harris Fitch, (R).	Stanton Guthrie, (R) J. Frank McDowell, (R) H. Lefser Janney Edmund D. Ptekhardt, (D) Charles L. Kinney, (R)	William J. Little, (R). M. M. Boland. Sentman, (R). John L. Stewart, (D). Clem K. Miller, (R).	Harry C. Morrison, (D). George Swisher, (R). James S. Shamon, (R). Charles Boone, (U).	George C. Doolittle, (R). Jesse P. Johnson, (R). W. I am S. Freel, (R). El sworth Hunt. Thomas Ruggles, (R).
Expiration of Term	1926 1926 1926 1926 1926	1926 1926 1926 1926	1926 1926 1924 -1926 1926	. 1924 1926 1926 1924 1926	1926 1925 1926 1926 1926	1926 1926 1926 1926	1926 1926 1926 1923 1926
Highway Superintendent	Charles E. Magley, (D) William G. Tonkel, (D) William Hailway, (R) Kimber H. Dimmick, (R) Frank M. Jones, (R).	Nelson Isenhour, (R). Ralph Hedrick, (D). L. Ferrert, (R). John L. Lufgard, (R). George Dix, (D).	James L. Tucker, (R). Sidney N. Johnson, (R). Farak Thornbury, (R). Robert Crane, (R). Edward J. Richenbach, (R).	Alvin Ryon, (R). Albertus Campbell, (R) Martin L. Yoskem, (R). John H. Steinkamp, (D). Charles Bryner, (R).	Clyde Piper, (R). Joseph T. Atkins, (R). Joseph P. Dudley, (D). Joseph P. Dudley, (D). William Zook, (R).	W. O. Daugherty, (R). Harvey M. McCaskey, (R) D. Squire, (R). Silas Devaney, (R). John W. Wilson, (D).	W. G. Rhodes, (R.) Blert M. Murphy, (R.) C. J. Luellen, (R.) Charles T. McCoy, (R.) William F. Eberhart, (R.)
Expiration of Term	1923 1923 1923 1923 1923	1923 1923 1923 1923 1924	1923 1923 1923 1924 1924	1923 1923 1924 1923 1923	1923 1923 1923 1923 1924	1924 1923 1923 1923 1923	1923 1923 1924 1924
Assessor	Wm. Frazier, (D) Louis W. Oser, (R) Newell E. Romine, (R) Chacle F. Johnson, (R) W. C. Rader, (R)	Peter F. Wilson, (D). Cyrus Williamson, (D). W.E. Holmes, (R). John W. Kistler, (R). E. T. Sage, (D).	James Q. Adams, (R) Newton Hillis, (R) Samuel E. Bush, (R) Wm. Wescott, (D)	Adolphus Bayless, (R.) George Scattergood, (R.) Elmer Ferguson. James Songer, (D.) Wilson H. Rood, (R.)	Scott Thomas, (R) Ustor Herb, (D) Ustor Bruth, (R) Geo. W. Gloshen, (D) Jerry Byrer, (R)	Silas E. Morris, (R) H. J. Ketner, (R) Geo. H. Shields, (R) E. A. Mosbaugh, (R) Eli A. Parrieh, (D)	Emmett Beanblossom, (R). Robert M. Shirley, (R). Milton H. Kern, (R). R. C. Daviess. Elmer E. Gard, (R).
Counties	Adams. Allen. Bartholomew Benton. Blackford:	Boone Brown Carroll Cass Clark	Clay. Clinton Crawford. Daviess. Dearborn.	Decatur Dekalb Delaware Dubois Elkhart	Fayette Floyd. Fountain Franklin Fulton.	Gibson. Grant. Greene. Hamilton. Hancock	Harrison Hendricks Henry Howard Huntington

	Expiration of Term	1923 1923 1923 1923	1923 1923 1923 1923 1923	1923 1923 1923 1923 1923	1923 1923 1923 1923 1923	1923 1923 1923 1923	1923 1923 1923 1923	1923 1923 1923 1923 1923
	Surveyor	Elias B. Douglas, (D). Edgar D. Nesbitt, (R). Homer Teelers, (R). James H. Smith, (R). Charles W. Miles, (R).	John B. Duckworth, (D) Gordon A. Hoskin, (R) Stanley A. Boggs, (R) Harley K. Spears (R) Roy Seely, (R)	Paul Summy, (R). Henry McIutire, (R). Marvell A. Steele, (R). John J. Griffith, (R). Samuel G. Williamson, (R).	John T. Stapleton, (R) Louis C. Johnson, (R) Elmer Buskirk, (R) William S. Harding, (R) Frank Smith, (R)	J. R. Deardurff, (R). Noah E. Hall, (R). Alson Boyd, (R). Louis Drescher, (D).	Claude Ott. (R). Ora Kantz. (D). Floyd McNiece. (R). Lester G. Rowe, (R).	Russell E. Nutt, (R). Arthur Plummer, (D). Arthur B. Purdy. Otto W. Pegee, (R). Frank L. Catt, (R).
	Expiration of Term	1926 1926 1926 1926 1926	1926 1926 1923 1926 1926	1926 1924 1926 1926 1923	1926 1925 1924 1924	1925 1923 1926 1926 1926	1925 1926 1926 1926 1926	1926 1926 1926 1926 1926
	HigLway Superintendent	John W. Bickman, (D) W. S. Parks, (R) Hary Hiff, (R), Gilbert Wilkerson, (R) Charles H. Baker, (R)	C. C. Hughes, (D). George G. Coale, (R). Stanley S. Boeges, (R). Harley K. Spears (R). Clarence M. Eder, (R).	Mike Moyer, (R) Thomas J. Daniels, (R) Abbert P. Jones, (R) Warren C. Rumford, (R) J. Frank Ray, (R)	A. T. Lyon, (R). Charles S. Loucks, (R). John S. Brown, (R). Robert Bonwell, (R).	Young D. Deardurff, (R). Will T. Knox, (R). Herman G. Heferkamp, (D). George M. Albertson, (R). Harry B. Foley, (R).	Daulton Martin, (R.) William F. Mitchell, (R.) B. S. Carig, (R.) Joseph F. Crowe, (R.) Samuel Willis Smith, (D)	W. A. Goble, (R) Elmer Blue, (D) M. Moody Joseph Schröder, (R) Hal W. Green, (R)
	Expiration of Term	1923 1923 1924 1923 1923	1923 1923 1923 1923 1923	1923 1923 1923 1923	1923 1923 1923 1923	1923 1923 1924 1925 1923	1923 1923 1923 1923	1923 1923 1925 1925
	Assessor	Jas. Branaman, (D). G. L. Thornton, (R). John G. Arbaugh, (R). Chas. A. McCelland, (R). U. E. Smith, (R).	A. D. Suliivan, (D). Henry W. Alexander, (R). Clark L. Haftfeld, (R). John J. Kauffman, (R). Wm. Black, (R).	Axel L. Peterson, (R). Stanley Hanner, (R). Edward H. Lewis, (R). J. C. Douglass, (R). Alva L. Porter, (R).	John C. Terry, (R) Frank Isler, (D) A. A. Colpitis, (R) Amos Breaks, (R) J. W. Lewis, (R)	Frank Cox, (R). Jacob McLaughlin, (R). Jandrew H. Greene, (D). Jamer T. McBride, (R). Calvin Carpenter, (D).	William N. Cox, (R), C. C. Leaf, (R), X. Surdon, (R), Fred W. Marquart, Warren Whipple, (D)	Daniel R. Haschel, (R.) Paul Priest, (D.) J. A. White Joseph E. Gordon, (R.) Earl F. Priest, (R.)
The state of the s	Counties	Jackson Jasper Jay Jefferson Jennings	Johnson Knox Kosciusko Lagrange Lake	Laporte. Lawrence Madison. Marion Marshall.	Martin Miami Monroe Montgomery Morgan	Newton Noble Ohio Crange Owen	Parke. Perry Pike. Porter Posey.	Pulaski. Putnam Randolph Ripley Rush

1923 1923 1923 1923 • 1923	1923 1923 1923 1923 1923	1923 1923 1923 1923	1923 1923 1923 1923	1923 1923 1923 1923
Phillip R. Gillin, (R.) Allen Maggard, (D.) George E. Oltman, (D.) Zachary X. Bennett, (R.) Alfred A. Savery, (R.)	Fred Hubbell, (R) Wm. L. Sisson, (D) Roy WhGKay, (R) Elbert C. Minton, (R) William J. Davis, (R)	Eph. J. Douthit, (R.) August Plafflin, (R.) Wm. G. Parrett, (R.) George R. Grimes, (R.)	Gordon Watson, (R) J. Rupert Gregory, (R) Samuel Bohannon, (R) John C. Prow, (D)	Howard H. Horton, (R). Arley H. Fry, (D). George A. Thomas, (R). Claude Anspaugh, (R).
1926 1926 1926 1926	1926 1926 1926 1923	1926 1926 1926 1926 1926	1926 1926 1926 1926 1926	1926 1924 1926 1923
A. C. Mangue (R) Jefferson Hancock, (R) Jacob Gerton, (D) Heber Scammahorn, (R) Fred Hubbell, (R)	C. Ernest Laramore, (R.) Charles H. Ridgeway, (D.) Hayes Rikektis, (R.) W. E. Gove, (R.) William Jarrett, (R.)	Harry C. Sanford, (R) Mat Foster, (R) Ernest H. Spellman, (R) Charles Long, (R)	S. B. Mylin, (R). M. M. McCoskey, (R). Archie Byers, (R). U. P. Anderson, (D).	W. O. Jones, (R). John Prough, (D). Forrest M. Minch, (R). William F. Wilcken, (R).
1923 1923 1923 1923 1923	1923 1923 1923 1923 1923	1923 1923 1923 1924	1923 1923 1923 1923	1924 1923 1923 1923
Roscoe Truax, (D). Samuel E. Furnish, (D). S. D. Runyan, (D). Chas. Ldoyd, (R).	Ed. M. George, (R.) Wm. Williamson, (D.) T. J. Webster, (D.) Geo. Fraser, (R.) E. E. Trimble, (R.)	W. F. Shanklin, (R) A. E. Swope, (R). Clarence Campbell, (R) Geo. Helman, (D).	Joseph Cowgill, (R) James Metsker, (R) J. C. Thomas, (R) Aug. H. Miller, (D)	Wm. Mathews, (R.) C. W. Marshall, (D.) W. E. Snyder, (R.) Harvey J. Harshbarger, (R.)
St. Joseph Soott. Sheiby Spencer Starke.	Steuben. Sullivan. Switzerland Tippecanoe	Union. Vanderburgh Vermillion. Vigo.	Wabash. Warren. Warrick. Washington.	Wayne Wells White Whitley

Expiration of Term							q
School Superintendent†	Edward S. Christen, (D). D. O. McComb., (D). Samuel Sharp, (D). M. F. O'Rear., (D). W. E. Pursley, (D).	John H. Hussey, (R) Grover G. Brown, (D) A. Gt. Fox, (D) Ira A. Kessler, (R) Samuel L. Scott, (D)	J. R. McCullough M. D. Boulden (R) H. H. Plessant, (R) James E. Gilley George C. Cole, (D)	James R. Crawley, (R). Clarence Green. Lee O. Baird. Robert E. Eckert, (D). C. F. Miller, (R).	Claude F. Trusler, (R). Glem V. Scott, (D). Guy A. Waldrip, (R). Midhael A. Bossert, (D). Thomas F. Berry, (R).	Ben H. Watt, (R) Albert B. Hail Walter T. Brown, (R) Walter T. Marger. Roy R. Roudebush, (R)	James T. McClaren, (R). George H. Reitzel. Harry B. Roberts, (R). Abter F. Hutson. Clifford Funderburg. (R).
Expiration of Term							
Agricultural Agents	L. M. Busche. W. H. Showalter. C. M. Job. P. T. Brown. O. W. Mansfield.	A. E. Grubbs A. L. Hodgson W. R. Zechiel O. S. Williams.	H. E. Abbott. Verner J. Mann. H. S. Copeland W. J. Berns. C. C. Madison.	Jos. C. Ireland. Benjamin Repp. J. F. Treasure. R. S. Lundin.	C. J. Robinson. R. H. Silverthorn. T. M. Beal. L. R. Binding.	V. O. Mood Galvin Griffith H. B. Randoph. M. E. Cromer.	N. I. Clunie Ralph Test Galvin Perdue, F. A. Loew
Expiration of Term	1923 1924 1923 1923	1923 1923 1923 1923 1923	1923 1923 1923 1924 1923	1923 1923 1923 1923 1923	1923 1923 1923 1923 1923	1923 1923 1923 1923 1923	1923 1923 1923 1923
Coroner	I. L. Mattox, (D). Daniel R. Benninghoff, (R) Herman H. Kamman, (R) Arthur Lessge, (R) Charles A. Sellers, (R)	H. W. Millikan, (R). A. J. Ralphy, (D). C. E. Baker, (R). Milton B. Stewart, (R). Froman M. Coots, (D).	William H. Orr. (R). Marion A. Carter, (R). William J. Husty, (I). Union H. Holder, (R). O. H. Stewart, (R).	Charles B. Grover, (R) William E. Byers, (R) Frank Downing, (R) W. D. Bretz, (D) Eugene Holdeman, (R)	Benjamin W. Cooper, (R). Frank T. Tyler, (D). Frank T. Adridge, (R). Frank E. Seal, (D). Arthur E. Stinson, (R).	Martin L. Arthur, (R). Philip H. Lucas, (R). Bros A. Wood, (R). Charles M. Cooltrin, (R). Charles Milo Gibbs, (D).	James H. Roby (R). Wm. H. Terrell, (R). F. J. Drake, (R). Brue D. Lung, (R). Frank B. Morgan, (R).
Counties	Adams Allen Bartholomew Benton Blackford	Boone. Brown. Carroll. Cass.	Clay. Clinton. Crawford. Daviess. Dearborn.	Decatur Dekalb Delaware Dubois Elkhart.	Fayette. Floyd. Fountain Franklin Fulton.	Gibson Grant Greene Hamilton Hancock	Harrison Hendricks Henry Howard Huntington

Harry B. Henderson, (D) Morgan L. Sterrett, (R) Harry Nixon W. Guy Pender, (R) Shepherd M. Whitcomb, (D)	Warren J. Yount, (D) W. W. Carter, (R) Jesse Bruner Miss Hilda Hughes, (R) A. E. Condon, (R)	C: L. Rhode, (R). William C. Roberts, (R) Jefferson C. House, (R) Lee E. Swails, (D) Louis E. Steinbach, (R)	R. V. Eddington, (R) E. L. Powell, (R) William H. Jones, (R) Merle F. Coons, (R) Isaac M. Kenworthy	William O. Schanlaub, (R.) Guy R. Hall, (R.) John L. Wessler, (D.) Harry Kirk, (R.) Albert Free, (D.)	John H. Jollief. (R) Preston Harding. Howard Berlun, (R) Fred H. Cole, (R) G. E. Behrens, (D)	F. G. Neel, (R), Crank Wallace, (D) O. H. Griest, Hale C. Pickett, (R) W. E. Wagoner, (R)	John W. Rittinger, (R) Clainor Gambele Clintor Gambele William Everson, (D) U. S. Lindsey, (R) J. Alhen Barr, (R)
W. P. Stall D. M. Mawhorter B. E. Ebbinghouse B. H. Doddridge F. W. Potts	M. E. Scandrett. W. J. Piggott, Jr. T. A. Parker. James Kine. V. A. Place.	C. A. Buechner O. U. Watson Jesse Stutsman R. L. W. McClain V. V. Clarke.	John A. Girard L. E. Thorne. Walter Rogers O. E. Ackerson. T. C. Cravens.	S. S. Davis B. V. Widney C. C. Madison Earl E. Simson E. E. Glick	J. R. Meeks G. O. Standley W. C. Smith A. Z. Arethart W. E. Shrode	I. J. Mathews C. A. Jackson Roscooe Fields V. T. Ozer D. D. Ball	E. C. Bird. L. H. Barnes R. G. East. H. W. Davis.
1923 1923 1923 1923	1923 1923 1923 1923 1924	1923 1923 1923 1923 1923	1923 1923 1923 1923 1923	1923 1923 1923 1923	1923 1923 1923 1923	1923 1923 1923 1923 1923	1923 1923 1923 1923 1923
George Manuel, (D) Willis J. Wright, (R) E. Hatst, (R) Carl Henning, (R) Charles C. Jordan, (R)	Daniel W. Sheek, (D) Harry E. Dees, (R) Achries A. Kelly, (R) John P. Caton, (R) Edward E. Evans, (R)	John G. Sweitzer. (R). Freeman S. Hunter, (R). John I. Kime, (R). Paul F. Robinson, (R). N. P. Aspinall, (R).	Aden Westfall, (R) Edward A. Carlson, (R) Polyer K. Harris (R) I. Barton Griffith, (R) Claude H. White, (R)	Leland F. Frurip, (R). William Dilts, Jr., (D). John I. Maris, (R). Charles F. Pectol, (D).	Rufus L. Dooley, (R). Frank Zeigelgruber, (R). Herman O. Seipel, (R). Samuel E. Davis, (D).	Raymond J. Ives, (R.) Jacob E. McCurry, (D.) Arant G. Markle, (R.) Ed. A. Zierer, (R.) William E. Barnum, (R.)	Chester B. Crumpacker, (R) George I. Lilow Elmer E. Allenbaugh, (R) Thomas C. Hife, (D)
Jackson Jasper Jay Jefferson Jennings	Johnson Knox Kosciusko Lagrange Lake.	Laporte. Lawrence. Madison. Marion.	Martin Miami Monroe Montomery Morgan	Newton Noble Ohio Orange	Parke Perry Pike Porter Posey	Pulaski. Putnam. Randolph. Ripley. Rush.	St. Joseph Scott. Shelby Spencer Starke.

†Term expires August 15, 1925.

Expiration of Term				
School Superintendent†	Glen O.Simpson, (R) Richard Park, (D) Ernest Danglade, (D) C. V. Peterson, (R) George H. Spenzer	Chas. C. Abernathy, (R). K. W. Hemmer, (D). J. F. Lewman, (D). Leroy Fair, (R).	Howard Williams, (R) Harry H. Evans, (R) Levi Barker, (R) Leon B. Mather, (D)	C. O. Williams, (R). Justin H. Meeriman, (D). Kirby B. Payne, (R). R. E. Mosher, (R).
Expiration of Term				
Agricultural Agents	S. A. Colliver H. S. Benson P. G. Ewald Walter Krucek	Foster Campbell. M. K. Derrick M. B. Nugent	H. L. Royce. H. H. Madaus. H. R. Holcomb. R. E. Wilson.	J. L. Dolan E. C. Salisbury R. R. Fraser R. M. Roop
Expiration of Term	1923 1923 1923 1923 1923	1923 1923 1923 1923	1923 1923 1923 1923	1923 1923 1923 1923
Согопег	Ford N. Swift, (R.). Isaao N. Botis, (D.). Harry Sullivan, (R.). Donald C. McClelland, (R.). Sianley M. Scott, (R.).	Everett R. Beard, (R.) Charles F. Diefendorf, (R.) Charles E. Ragan, (R.) James L. Fortune, (R.)	Carl L. Stineman, (R) Eldo Michael, (R). Verner Kriekhaus, (R) James F. Kelley, (D).	S. Edgar Bond, (R). Herman W. Thoma, (D) Morgan M. Hughes, (R). Lewis W. Tennant, (R).
Counties	Steuben Sullivan Switzerland Tippecanoe Tipton	Union. Vanderburgh. Vermillion. Vigo.	Wabash. Warren. Warrick. Washington.	Wayne: Wells: White: Whitley:

†Term expires August 15, 1925.

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· Counties	County Commissioners	Expi- ration	Commen	C	Expi-
COUNTIES	County Commissioners	of	Counties	County Commissioners	of
		Term			Term
Adams	B F Brainer (D)	1925	Fulton	David C. Swihart, (R)	1924
11000000	B. F. Breiner, (D). Robert Schwartz, (D). Ernest Conrad, (D). Gustav Hilgeman, (R). A. J. Baker, (R). Frank Poirson, (R). Frank Mellangy, (R)	1923	ration	Meredith Henry, (R) John T. Leavell, (R) J. H. Johnson, (R) W. Mile Crawford	1924
Allen	Ernest Conrad, (D)	1924 1925	Gibson	John T. Leavell, (R)	1923
ZIMOH	A. J. Baker. (R)	1925	GIDSOII	W. Mile Crawford	1924 1923
Bartholomew	Frank Poirson, (R)	1923 1924	Grant	Denry Jones, (R.)	1925
Dai tholome w	Frank McHenry, (R). Edw. Marr, (R). William Surber	1925	Grant	John Heavilin, (R)	1924 1925
Benton	William Surber	1923 1923	Greene	John Heavilin, (R). John A. Frazier, (R). Asberry Moore, (R). James H. Cox, (R).	1923
Denton	William Surber J. F. Avery, (R) Robert Finley, (R) Cortez Dimmich, (R) A. H. Bonham, (R) Charles Barton, (R) George Hollinghead, (R) Alfred B. Jones, (R) George L. Rader, (R)	1924	Greene	James H. Cox. (R)	1924 1924
Blackford	Cortez Dimmich, (R)	1925 1924	TT - '11	Henry Buckner, (It)	1923
Diackford	Charles Barton, (R)	1926	Hamilton	L. J. Symons, (R) L. M. Stultz (R)	1925 1924
	George Hollinghead, (R)	1923		C. L. Gentry, (R)	1923
Boone	George L. Rader (R)	1924 1925	Hancock	R. H. Jessup, (R)	1923 1924
_	Charles Reagan	1923		Holbert F. Wilson, (D)	1925
Brown	Charles Taylor, (D)	1925 1923	Harrison	John L. Windell, (R)	1924 1923
	Geo. W. Polley, (D)	1924		Frank Pearson, (R)	1924
Carroll	Alfred B. Jones, (R). George L. Rader, (R). Charles Reagan Charles Taylor, (D). Geo. W. Polley, (D). Jesse Swartz, (R). J. D. Zartman, (R). J. H. Mourer, (R). U. S. Hauck, (R). H. P. Gotshall, (R). C. H. Wilson, (R). John M. Bower, (D). Samuel Lentz.	1923 1924	Hendricks	Thomas H. Smith, (R) Frank Pearson, (R). M. A. McGregory, (R) John D. Brickert, (R). John Vestal, (R). John R. Downs, (R). John W. Bell, (R). Carl Stewart, (R). H. O. Lybrock, (R). Ezra Jackson, (R). F. O. Lord (R). O. E. Johnson, (R).	1926 1923
· ·	J. H. Mourer, (R)	1925		John Vestal, (R)	1925
Cass	U. S. Hauck, (R)	1923 1924	Henry	John R. Downs, (R)	1925
	C. H. Wilson. (R)	1924		Carl Stewart. (R)	1923 1924
Clark	John M. Bower, (D)	1924	Howard	H. O. Lybrock, (R)	1925
	Samuel Lentz	1924 1923		Ezra Jackson, (R)	1924 1924
Clay	W. L. Dressler, (R)	1923	Huntington	O. E. Johnson, (R)	1925
	Otis E. Nance, (R)	1924 1925		George Wilson, (D)	1923
Clinton	Lincoln Cox, (R)	1925	Jackson	Dan. Walker, (D)	1923
	John E. Shanks, (D)	1923 1924	,	James Mann, (D)	1925
Crawford	W. W. Blunk, (D)	1923 1925	Jasper	H. W. Marble, (R)	1924
	Joseph W. Hiser, (R)	1925 1924		Charles A. Welch, (R)	1923
Daviess	Yonis W. Keith. (R)	1924	Jay	O. S. Buckingham, (R)	1923
	Royal Allison, (R)	1925		Ebenezer S. Jones, (R)	1925
Dearborn	Uscar M. Wallick, (R) Frank Barber, (D)	1923 1923	Jefferson	Matthew R. Ralston (R)	1923
2001201201	Willard J. Stadler, (R)	1925	Control	George E. Sherlock, (R)	1923
Decatur	William Ester, (R)	1924 1924	Jennings	Hiram Foster, (R)	1924
Decastar	George C. Walker, (R)	1925	oenmaga	B. W. Downs, (R)	1925
Dekalb	Geo. C. Hamilton, (R)	1923 1925	Johnson	C. F. Hole, (R)	1923
Donaid	John M. Bower, (D) Samuel Lentz. Samuel Gray. W. L. Dressler, (R) Otis E. Nance, (R) J. R. Benham, (R) Lincoln Cox, (R) John E. Shanks, (D) Wayne C. Peters, (R) W. W. Blunk, (D) Joseph W. Hiser, (R) Charles Lane, (R) Yonis W. Keith, (R) Royal Allison, (R) Oscar M. Wallick, (R) Frank Barber, (D) Willard J. Stadler, (R) William Ester, (R) Charles P. Johnson, (R) George C. Walker, (R) George E. Walker, (R) George E. Blaker, (R) Loyd Geyser, (R) C. L. Retherford, (R) Sherman J. Shoroyer, (R) Long S. Bohomaker, (R)	1923	outiliou	Ezra Jackson, (R) F. O. Lord (R) O. E. Johnson, (R) George Wilson, (D) R. W. Redding, (R) Dan. Walker, (D) James Mann, (D) James R. Crabb, (D) H. W. Marble, (R) Charles A. Welch, (R) Bert R. Amsler (R) O. S. Buckingham, (R) Ebenezer S. Jones, (R) Elmer Warmer, (R) Matthew R. Ralston, (R) George E. Sherlock, (R) Hiram Foster, (R) M. F. Eastman, (R) G. F. Hole, (R) C. F. Hole, (R) C. F. Hole, (R) Ceil Smyser, (D) H. M. Green, (D) Wm. Brown, (D) Douglas Howal, (R) Ellison L. Cory, (R) Lach L. Kuh, (R)	1925
Delaware	Loyd Geyser, (R)	1924 1924	Knox	Wm. Brown, (D)	1924
Dela wale	Sherman J. Shroyer, (R)	1924	IXIIOX	Ellison L. Cory, (R)	1924
Dubois	C. L. Retherford, (R). Sherman J. Shroyer, (R). Jonas F. Shoemaker, (R). John A. Stenftenagel, (D). Henry C. Hasenour, (D). Henry Hopster, (D). George C. Kistner, (R). Edward Iffert, (R). Wm. O. Elliott, (R). Wm. C. Whipple, (R). Chas. E. Smallwood, (R). Chas. W. Mason, (R). Wm. P. Drescher, (R). Fred Ramsier, (D).	1923	Kosciusko		
Danis	Henry C. Hasenour, (D)	1923 1924	ZOSCIUSKO	Emsley A. Arnold, (R) George Harter, (R) Conrad D. Longenecker, (R) Paul E. Sigler, (R)	1925 1923
Till-14	Henry Hopster, (D)	1925	T	Conrad D. Longenecker, (R)	1924
Elkhart	George C. Kistner, (R)	1925 1924	Lagrange	George Timmis (R)	1924 1923
77	Wm. O. Elliott, (R)	1923		John D. McGaw, (R)	1925
Fayette	Wm. C. Whipple, (R)	1924 1924	Lake	James Black, (R)	1924 1925
	Chas. W. Mason, (R)	1923		Faul E. Siger, (R). George Timmis, (R). John D. McGaw, (R). James Black, (R). Geo. O. Schaaf, (R). John H. Claussen, (R). Justin C. Loomis, (R). J. B. Shick, (R).	1923
Floyd	Wm. P. Drescher, (R)	1924 1923	Laporte	Justin C. Loomis, (R)	1925 1923
	Fred Ramsier, (D)	1925		J. E. Perkins, (R)	1923
Fountain	William J. Mellott, (R)	1925	Lawrence	Ollie C. Bryant, (R)	1924
	Edward Small. (R)	1923 1924		John D. Hobson, (R)	1925 1923
Franklin	Fred Ramsier, (D). William J. Mellott, (R). G. D. Snody, (R). Edward Small, (R). Wm. D. Moore (D). Jacob Klein, (D).	1925	Madison	J. E., Ferkins, (R). Ollie C. Bryant, (R). B. W. Moore, (R). John D. Hobson, (R). Wm. F. Pierce, (R). Charles Poindexter, (R). Arthur L. Hiatt, (R).	1924
	Jacob Klein, (D) Anthony Waechter, (D)	1925 1923		Arthur L. Hiatt. (R)	1925 1923

YEAR BOOK

Counties	. County Commissioners	Expiration of Term	Counties	County Commissioners	Expiration of Term
Marion	Carlin H. Shank, (R)	1925 1923	St. Joseph	Ernest Beebe. (D)	1925 1923
Marshall	Harry D. Tutewiler, (R). George M. Sprague, (R). Elba T. Robinson, (R). Harry E. Buck, (R). Geo. W. Sargent, (R). T. J. Johnson, (R). A. T. Lyon, (R). Eugene Mills, (R). George W. Younce, (R). Richard Gilbert, (R). John S. Curry, (R). Harvey Stephenson, (R). John T. Nance, (R). O. W. Bratten, (R).	1924 1925 1923	Scott	Noah Lehman, (R) C. M. Montgomery, (D) C. L. Reid, (R)	1924 1923 1925
Martin	Geo. W. Sargent, (R)	1924 1925 1923	Shelby	C. L. Reid, (R). Chas. Payne, (R). George Rhodes, (D). W. M. Hoffman, (R). Walter Wertz, (D). Alva McKenney, (R). James Kennedy, (R)	1924 1925 1923
Miami	A. T. Lyon, (R) Eugene Mills, (R) George W. Younce, (R)	1924 1925 1923	Spencer	Walter Wertz, (D)	1924 1923 1923
Monroe	Richard Gilbert, (R) John S. Curry, (R) Harvey Stephenson, (R)	1924 1924 1924	Starke	J. J. Burkhart, (R) Herbert R. Koffel, (R) N. L. Guernsey, (R)	1924 1925 1923
Montgomery	John T. Nance, (R). O. W. Bratten, (R). A. C. Evans, (R). D. W. Willis, (R). John H. Hess, (R).	1923 1923 1924	Steuben	Geo. M. Brown, (R)	1924 1925 1924
Morgan	D. W. Willis, (R) John H. Hess, (R) W. H. Corn	1924 1922 1923	Sullivan	Dorsey Iteese, (It)	1020
Newton	John H. Hess, (R) W. H. Corn Albert Marley, (R) C. H. Hillis, (R) S. H. Dickinson, (R) J. B. Staten, (R) H. G. Eshelman, (R) W. H. Hill, (R) John W. Adair, (R) Gilbert Walston, (D) Charles W Highee (R)	1924 1924 1925	Switzerland	John Scott, (D) Percy Wolfe, (D) Frank Springer, (R). G. M. Dodd, (D) L. F. Clark, (R). Wm. E. Stewart, (R) Henry Rauch, (R). Grant G. Dyer, (R). Harry E. Yundt, (R) John F. Morris, (R). Walter Gross, (R).	1925 1924 1925
Noble	J. B. Staten, (R) H. G. Eshelman, (R) W. H. Hill, (R)	1923 1923 1924	Tippecanoe	Wm. E. Stewart, (R) Henry Rauch, (R) Grant G. Dyer, (R)	1923 1925 1923
Ohio	John W. Adair, (R)	1925 1923 1925	Tipton	Harry E. Yundt, (R) John F. Morris, (R) Walter Gross, (R)	1924 1925 1923
Orange	Edward Winn. (R)	1924 1925 1923	Union	Walter Gross, (R) W. C. Orr, (R) Chas. Douglass, (R) Harry Allen, (R) Arthur Barnard, (R)	1924 1924 1925 1925
Owen	Wm. J. Clevenger, (R) Frank Mugg, (R) James Andrews, (R)	1924 1924 1923	Vanderburgh	Arthur Barnard, (R). Louis Winternheimer, (R). John Henze, (R)	1925 1924 1925
Parke	James Andrews, (R). Morton Kay, (R). Wm. J. Kerr, (R). James H. Adams, (R). Chas. DeBaun, (R).	1923 1923 1925	Vermillion	Shelby McDowell, (R)	1923 1924 1925
Perry	Chas. DeBaun, (R)	1924 1925 1924	Vigo	E. E. Randolph, (D) William G. Davis, (R) Elijah E. Reed, (R)	1923 1923 1923
Pike	Henry Black, (R). Wm. Froehlich, (D) L. R. Gatchel, (R). Virgil B. Phillips, (R). Chas. H. Katter, (R). James K. Barnett, (R).	1923 1925 1923	Wabash	Harry Willis, (R)	1924 1924 1923
Porter	F W Alpen (P)	1025	Warren	J. H. Crawford, (R). Herb. A. Barr, (R).	1924 1923 1925
Posey	Marion Curtis, (R). Edward A. Everton, (D). Samuel L. Thomas, (R). John L. Stallings, (D).	1923 1925 1923	Warrick	Robert T. Hull, (R). Wm. L. Hay, (R)	1924 1923 1925
Pulaski	John L. Stallings, (D). Sylvester Chapman, (R). Fred Kroft, (R). W. F. Badger, (R). David Sketon, (D).	1924 1924 1923	Washington	Louis Winternheimer, (R) John Henze, (R). Shelby McDowell, (R) Wm. T. Sanders, (R) Joe W. Moore, (R). E. E. Randolph, (D) William G. Davis, (R) Elijah E. Reed, (R) Harry Willis, (R) Henry White, (R). Jacob Bechtold, (R). Arthur Thomson, (R) J. H. Crawford, (R) Herb. A. Barr, (R) Herb. A. Barr, (R) Humphrey Beckett, (R) Robert T. Hull, (R). Wm. L. Hay, (R). John Winterheimer, (R) Frank J. Schocke, (D) Matson M. Metsinger, (D) Leander Patton (D) Wm. K. Cheesman, (R) Andrew Simpson, (R) Louis N. Hampton, (R) Wm. A. Huffman, (D) Andrew J. Byrds, (D) Geo. F. Hoopengardner, (R) W. N. Garrett, (R) John Mattix, (R) W. Samuel F. Trembley, (R)	1924 1925 1923 1924
Putnam	David Sketon, (D) Reese Buis, (D)	1925 1924 1925	Wayne	Wm. K. Cheesman, (R). Andrew Simpson, (R).	1924 1928 1928 1928
Randolph	David Sketon, (D) Reese Buis, (D) Chas. E. Carver (R) William D. Parker, (R) David E. Cox, (R) Clyde Shultz, (R) Robert G. Schulenberg, (R) H. H. Goekins, (R) John H. Simpers, (R) George H. Bell, (R) Harry Gosnell, (R) Samuel H. Young, (R)	1923 1925 1923	Wells	Wm. A. Huffman, (D) Andrew J. Byrds, (D)	1928 1928 1928 1924
Ripley	Robert G. Schulenberg, (R). H. H. Goekins, (R).	1924 1924 1925	White	W. N. Garrett, (R) John Mattix, (R)	1924 1928 1928
Rush	George H. Bell, (R). Harry Gosnell, (R).	1923 1925 1923 1924	Whitley	W. C. Kinney, (R) Samuel F. Trembley, (R) Byron E. Yohe, (R) George Harshman, (R)	1924 1928 1928 1924

CIRCUIT COURT JUDGES

		1		1
Circuit Number	County	Name	Address	Term Expires
	Vandankanak	Distance of October	T3 411	
1	Warrick	Moveball P. Twoods	Evansville	Nov. 21, 1924 Nov. 16, 1922
2 3	Crawford, Harrison	Philip C. Gould. Marshall R. Tweedy. Thomas J. Wilson James W. Fortune. Edward S. Roberts. John R. Carney. Charles A Lowe	Beonville	Nov. 10, 1922
4	Clark.	James W Fortune	Corydon Jeffersonville	Oct. 22, 1927 Nov. 17, 1926 Oct. 22, 1927
4 5 6 7	Jefferson	Edward S Roberts	Vevay	Oct 22 1027
6	Ripley, Jennings, Scott	John R. Carney	Vernon	Nov. 26, 1924
7	Dearborn, Ohio	Charles A. Lowe	Lawrenceburg	Nov. 17, 1926
8	Brown, Johnson	Fremont Miller	Franklin	Nov. 13, 1924
9	Bartholomew	John W. Donaker	Columbus	Nov. 19, 1922
10	Monroe, Owen	Herbert A. Rundell	Spencer	Nov. 10, 1926
11 12	Posey Knox Clay Sullivan	Herdis F. Clements	Mt. Vernon	Oct. 24, 1927
13	Clov	Thomas B. Coulter	Vincennes	Dec. 1, 1924 Nov. 16, 1924
14	Sullivan	William H Bridwell	Brazil	Nov. 10, 1924
15	Morgan	Alfred M. Bain	Sullivan	Nov. 14, 1924 Nov. 16, 1924
16	Shelby	Alonzo Blair	Shelbyville	Jan. 1, 1923
17	Wayne	William A Bond	Richmond	Jan. 1, 1923 Nov. 13, 1926
18	Hancock	Jonas P. Walker	Greenfield	Nov. 15, 1924
19	Marion	Jonas P. Walker Harry O. Chamberlin	Indianapolis	Nov. 11, 1926
20	Boone	Frank E. Hutchinson	Lebanon	Nov. 10, 1926
21	Benton, Warren	Burton B. Berry	Fowler	Nov. 15, 1924
22 23	Montgomery	Jere West	Crawfordsville	Oct. 21, 1927
24	Hamilton	Homer W. Hennegar Fred E. Hines	Lafayette Noblesville	Dec. 3, 1926 Oct. 19, 1927
25	Randolph	Alonzo L. Bales	Winchester	Nov 14 1026
26	Adams	John C. Moran	Decatur	Nov. 14, 1926 Nov. 13, 1925 Oct. 21, 1927 Nov. 17, 1924 Jan. 1, 1927 Nov. 10, 1926
27	Wabash Blackford, Wells	John C. Moran Frank O. Switzer	Wabash	Oct. 21, 1927
28	Blackford, Wells	Frank W. Gordon	Bluffton	Nov. 17, 1924
29	Cass	Paul M. Souder	Logansport	Jan. 1, 1927
30	Jasper, Newton	George A. Williams	Rensselaer	Nov. 10, 1926
31	Lake	E. Miles Norton	Crown Point	NOV. 15, 1920
32 33	Laporte	James F. Gallaher Arthur F. Biggs James S. Drake	Laporte	Nov. 15, 1922
34	Noble, Whitley Elkhart, Lagrange	James S Drake	Ligonier	Nov. 17, 1926 Nov. 21, 1922
35	Dekalb, Steuben	Dan. M. Link	Auburn	Nov. 18, 1922
36	Tipton	James M. Purvis	Tipton	Jan. 1, 1925
37	Tipton Franklin, Union	Cecil C. Tague	Brookville	Jan. 1, 1925 Next general
				ologtion
38	Allen	Sol A. Wood	Fort Wayne	Nov. 15, 1924 Nov. 19, 1924 Nov. 19, 1924 Nov. 21, 1926 Nov. 16, 1924
39	Carroll, White	Benjamin F. Carr	Monticello	Nov. 19, 1924
40 41	Lawrence, Jackson	James A. Cox	Crothersville	Nov. 19, 1924 Nov. 21, 1026
42	Orange, Washington	James L. Tucker	Salem	Nov. 16, 1920
43	Vigo	John P. Jeffries	Terre Haute	Nov. 23, 1926
44	Vigo. Pulaski, Starke.	William C. Pentecost	Knox	Nov. 12, 1926
45	Clinton	Earl B. Stroup	Frankfort	Nov. 12, 1926
46	Delaware	Wm. A. Thompson	Muncie	Nov. 15, 1922
47	Vermillion	Barton S. Aikman	Newport	Nov. 15, 1922
48	Grant	J. Frank Charles	Marion	Nov. 15, 1922
49 50	Daviess, Martin	James W. Ogden	Washington	Nov. 15, 1922 Nov. 15, 1922 Nov. 12, 1926 Nov. 17, 1926 Nov. 6, 1926 Nov. 17, 1926 Nov. 17, 1926
51	Miami	Wm. A. Kittinger	Peru	Nov. 17, 1926
52	Floyd	John M. Paris	New Albany	Nov. 6, 1926
53	Henry	Fred C. Gause. Lemuel W. Royse. Zimri E. Dougan.	Newcastle	Nov. 17, 1926
54	Kosciusko	Lemuel W. Royse	Warsaw	Nov. 17, 1926
55	Hendricks	Zimri E. Dougan	Danville	100. 10, 1924
.56	Huntington	George M. Eberhart	Huntington	Nov. 10, 1924
57 58	Dubois, Pîke	John F. Dillon Emerson E. McGriff	Jasper	Nov. 16, 1926
60	JaySt. Joseph	Walter A. Funk	South Bend	Nov. 17, 1922 Nov. 14, 1924
61	Fountain	Omer B. Ratcliff	Covington	Nov. 16, 1924
62	Howard	Wm C Oreanton	Kokomo	Jan. 1, 1923
63	Greene	Thomas Van Buskirk	Kokomo	Jan. 1, 1923 Nov 14, 1924
64	Putnam	Will. C. Overfold Thomas Van Buskirk James P. Hughes Will M. Sparks Robert C. Baltzell Hannibal H. Loring	Greencastle	Nov. 14, 1924 Jan. 1, 1727 Nov. 14, 1926 Nov. 13 1926
65	Rush	Will M. Sparks	Rushville	Jan. 1, 1727
66	Gibson	Robert C. Baltzell	Princeton	Nov. 14, 1926
67 68	Porter	Hannibal H. Loring	Valparaiso	Nov. 13 1926 Nov. 15, 1922
69	Parke	Henry Daniels John W. Craig.	Rockville	Nov. 15, 1922 Nov. 26, 1926
70	Decatur. Spencer, Perry.	Fred A. Heuring	Rockport	Nov. 24, 1926
73	Fayette	†Raymond S. Springer	Connersville	Oct. 27, 1922

[†]E. Ralph Himelick takes office Oct. 27, 1922.

YEAR BOOK

SUPERIOR COURT JUDGES

County	Name	Address	Expiration of Term
Allen Delaware-Grant Elkhart Grant-Delaware Lake Room 1 Room 2 Room 3 Laporte-Porter Madison	Wm. N. Ballou. Robert Murray. Wm. B. Hile. Robert Murray. Virgil S. Reiter. Maurice E. Crites. Charles E. Greenwald. Harry L. Crumpacker. Willis S. Ellis.	Fort Wayne	Jan. 1, 1923 Jan. 1, 1923 Jan. 1, 1923 Nov. 27, 1922 Nov. 10, 1922 Nov. 11, 1922
Marion Room 1. Room 2. Room 3. Room 4. Room 5. Porter-Laporte St. Joseph	W. W. Thornton Linn D. Hay Solon J. Carter Arthur R. Robinson Theophilus J. Moll Harry L. Crumpacker	Indianapolis Indianapolis Indianapolis Indianapolis Indianapolis Michigan City	Nov. 18, 1922 Dec. 1, 1922 Dec. 1, 1922 Dec. 1, 1922
Room 1. Room 2. Tippecanoe. Vanderburgh. Vigo Room 1. Room 2.	Chester R. Montgomery Frederick C. Klein Henry H. Vinton Robert J. Tracewell John E. Cox. Wm. T. Gleason	South Bend	NextGen.Elec. Jan. 1, 1923 Nov. 16, 1922 Jan. 1, 1923

PROBATE JUDGES

County	Name	Address	Expiration of Term
Marion	Mahlon E. BashElmer Q. Lockyear	Indianapolis	Jan. 1, 1923
Vanderburgh.		Evansville	Jan. 1, 1925

CRIMINAL JUDGES

County	Name	Address	Expiration of Term
Lake	Martin J. Smith	Crown Point	Jan. 1, 1925 Jan. 1, 1923

JUVENILE JUDGE

County	Name	Address	Expiration of Term
Marion	Frank J. Lahr	Indianapolis	Nov. 30, 1922

PROSECUTING ATTORNEYS

Circuit Number	County	Name	Address	Term Expire	es
1	Vanderburgh	Geo. D. Heilman	Evansville	Jan. 1, 19	124
1 2 3 4 5 6 7 8 9	Warrick	Natt H. Youngblood	Newburgh	Jan. 1, 19	23
3	Warrick. Crawford, Harrison	Philip S. Seacat	Depauw	Jan. 1, 193 Jan. 1, 193	23
4	Clark	James L. Bottorff	Jeffersonville	Jan. 1, 19	923
5	Jefferson, Switzerland	Byron F. Mouser	Madison	Jan. 1, 19	24
7	Ripley, Jennings, Scott	Chas. S. Royce	Versailles	Jan. 1, 19	23
8	Brown, Johnson	John P. Wright	Aurora Nashville	Jan. 1, 193	20
9	Bartholomew	Archibald T. Conner	Columbus	Jan. 1. 19	23
10	Monroe, Owen	John P. Wright Archibald T. Conner Q. Austin East.	Bloomington	Jan. 1, 19 Jan. 1, 19 Jan. 1, 19 Jan. 1, 19 Jan. 1, 19	24
11	Posey	Bex A. Trimble	Mt. Vernon	Jan. 1, 19	23
12 13	Knox	Hugh L. Barr	Bicknell	Jan. 1, 193	23
14	ClaySullivan	Harvey L. Fisher Norval K. Harris	Brazil	Jan. 1, 19: Jan. 1, 19:	123
15	Morgan	Orla W. Smith	Martinsville	Ion 1 10	199
16	Shelby	Elmer Bassett	Shelbyville	Jan. 1, 19	23
17	Wayne	Paul A. Beckett	Richmond	Jan. 1, 19	23
18	Hancock	Waldo C. Ging	Greenfield	Jan. 1, 19	23
19	Marion	John A. Sunderland	Indianapolis Lebanon	Jan. 1, 19. Jan. 1, 19. Jan. 1, 19. Jan. 1, 19. Jan. 1, 19.	23
20	Boone Benton, Warren	Wilber G. Nolin	Fowler	Jan. 1, 19: Jan. 1, 19:	23
22	Montgomery	Harry D. Michael	Fowler	Jan. 1, 19	23
23	Tippecanoe	Morris R. Parks	Lafayette	Jan. 1, 19	24
24	Hamilton	Morris R. Parks	Arcadia		
20 21 22 23 24 25 26 27	Randolph	Ernest M. Dunn	Union City	Jan. 1, 19 Jan. 1, 19 Jan. 1, 19 Jan. 1, 19 Jan. 1, 19)23
26	Adams.	E. Burt Lenhart	Decatur	Jan. 1, 19	23
27	Wabash Blackford, Wells	Howard E. Plummer William A. Burns	Wabash	Jan. 1, 19	123
28 29 30	('ogg	Don Douglass	Logansport	Jan. 1, 19	123
30	Jasper, Newton	James C. Murphy Dwight M. Kinder	Morocco	Jan. 1, 19	23
31	Lake	Dwight M. Kinder	Gary	Jan. 1, 19	923
32	Laporte	Earl Rowley	Laporte		
33	Noble, Whitley	Clarence R. Finley	Kendallville	Jan. 1, 19	23
34 35	Noble, Whitley Elkhart, Lagrange Dekalb, Steuben	Thomas P French	Elkhart	Jan. 1, 19	124
36	Tinton	Alfred A. Fletcher	Tipton	Jan. 1, 19	123
37	Tipton. Franklin, Union	Glen R. Sawyer Thomas P. French Alfred A. Fletcher Elmer F. Bossert	TiptonBrookville	Jan. 1, 19 Jan. 1, 19 Jan. 1, 19 Jan. 1, 19 Jan. 1, 19 Next genera	al
				election	
38 39	Allen	Louis F. Crosby	Fort Wayne	Jan. 1, 19)24
40	Lawrence, Jackson	Glen R. Slenker Simpson B. Lowe	Monticello Bedford	Jan. 1, 19	123
41	Fulton, Marshall	Selden I Brown	Rochester	Jan. 1, 19 Jan. 1, 19	122
42	Orange, Washington	George W. McMahan Noble J. Johnson James A. Dilts	Campbellsburg	Jan. 1, 19 Jan. 1, 19 Jan. 1, 19 Jan. 1, 19	23
42 43 44	Vigo. Pulaski, Starke.	Noble J. Johnson	Campbellsburg Terre Haute	Jan. 1, 19	23
44	Pulaski, Starke	James A. Dilts	Winamac	Jan. 1, 19	23
45	Clinton	Brenton Devol	Frankfort	Jan. 1, 19)23
46 47	Delaware Vermillion	Robert E. Guinn	Muncie	Jan. 1, 19 Jan. 1, 19	123
48	Grant	Geo. Moses Coon	Marion	Jan. 1, 19	124
49	Daviess, Martin	J. Earl Thompson	Washington	Ion 1 10	199
50	Madison	Samuel Johnson	Anderson	Jan. 1, 19	23
51 52	Miami	Hugh P. Lawrence	Peru New Albany	Jan. 1, 19	123
52 53	Floyd	Hugh P. Lawrence. Chas. R. Turner George R. Jeffrey Henry W. Graham John T. Hume	New Albany	Jan. 1, 19 Jan. 1, 19 Jan. 1, 19 Jan. 1, 19 Jan. 1, 19	123
54	Henry	Henry W. Graham	Warsaw	Jan 1 10	123
55	Hendricks	John T. Hume	Danville	Jan. 1, 19	23
56	Huntington		Huntington	Jan. 1, 19	23
57	Dubois, Pike	Stanley M. Kreig. Austin H. Williamson. Floyd O. Jellison. John P. Brissey. Forest A. Harness.	Petersburg	Jan. 1, 19	923
58	JaySt. Joseph	Austin H. Williamson	Redkey South Bend	Jan. 1, 19	923
60	St. Joseph	Iohn P Brissey	Veedersburg	Jan I IV	12.3
61 62	Howard	Forest A. Harness	Kokomo	Jan. 1, 19 Jan. 1, 19 Jan. 1, 19	23
63	Greene	W. R. Vosloh	Bloomfield	Jan. 1, 19	23
64	Putnam	Fay S. Hamilton	Greencastle	Jan. 1, 19	123
65	Rush	Albert C. Stevens	Rushville	Jan. 1, 19	123
66 67	Gibson	James J. Robinson	Princeton	Jan. 1, 19	123
68	Porter	Jos. S. Bartholomew	Valparaiso	Jan. 1, 19	123
69	Decatur	John W. Holcomb.	Rockville	Jan. 1, 19	123
69 70 73	Decatur. Spencer, Perry. Fayette.	Earl M. Dowd. John W. Holcomb. Edmond S. Lincoln. William E. Sparks.	Cannelton. Connersville	Jan. 1, 19 Jan. 1, 19 Jan. 1, 19 Jan. 1, 19	23
	75	TITELL TO Charalan	0		
73	Fayette	william E. Sparks	Connersville	Jan. 1, 19)24

DEEDS FILED, 1920, LAND TRANSFERS-COUNTY RECORDERS' REPORTS

Number Other Miscel-	Papers	43,582	848 1,857 279 237 201	636 199 175 507 262	336 375 228 900 118	202 64 461 324 700	98 168 888 95 315	927 1,317 276 1,210 423
Number One Dollar Considera-	cions	42,678	1,014 226 122 122 191	167 66 239 384 384	186 245 245 178 178	114 226 1,410 130 1,542	310 993 182 111 153	330 577 234 200 156
Total Deeds Filed	Consideration	\$329,785,258	4, 768, 046 27, 371, 935 1, 383, 282 5, 072, 202 2, 188, 286	9,600,950 326,348 3,311,048 6,074,400 1,133,245	1,840,454 6,655,687 2,850,093 484,744	2, 263, 318 2, 947, 391 4, 938, 056 1, 096, 969 5, 360, 387	1,340,157 287,205 3,286,228 1,512,322 4,294,477	3, 652, 334 5, 085, 724 1, 782, 338 3, 377, 764 2, 638, 446
Total I	Number	137,625	1,048 5,268 910 577 1,028	1,562 424 925 1,490	1,273 1,207 561 1,331 703	754 1,189 3,082 794 3,253	1,092 728 540 1,105	1,332 2,437 1,907 817 987
Auditors' Deeds	Number Consideration	\$168,953	1,872 2,285 45 9 9	242 242 8 279	90 0.7	85 503 118 8,015	2, 238 83 206 846	1,908 1,908 64 7
Audito	Number	951	. 58 	2222	33	22 1 35	10 50 70	41 19 22 52
Sheriffs' Deeds	Consideration	\$765,113	15,936 500 2,051 2,804	1,606 5,289 15,095 19,296 1,514	2,799 4,780 3,870	4,451 7,810 327 1,882 2,231	5, 299 3, 407 4, 623 8, 946	12,000 5,618 4,245 587 3,629
Sherif	Number	478	122	1981881		0.4444	01 44 70 W	m 00 00 m c
*Warranty and Quit Claim Deeds	Consideration	\$328,851,192	4, 766, 174 27, 353, 714 1, 382, 737 5, 070, 142 2, 185, 400	9, 599, 322 320, 817 3, 295, 945 6, 054, 825 1, 131, 731	1,837,565 6,650,904 492,730 2,850,093 484,744	2, 258, 867 2, 939, 496 4, 937, 226 1, 095, 069 5, 350, 141	1,340,157 279,668 3,282,738 1,507,493 4,284,685	3, 639, 761 5,078, 198 1,778, 029 3,377, 170 2, 634, 677
*War Quit C	Number	136, 196	1,043 5,203 906 574 1,002	1,559 407 921 1,471 585	1,260 1,205 1,305 1,331 703	752 1,180 3,059 792 3,214	1,085 717 530 1,087	1,326 2,388 1,880 1,880 976
Countes		State Total	Adams. Allen. Bartholomew. Bartholomew. Barkford.	Boone Brown Garroll Cass	Clay Clinton Crawford Davies. Dearborn	Decatur Dekalb Delaware Dubois. Elkhart.	Fayette. Floyd. Floyd. Fountain. Frankfin. Fulton.	Gibson. Grant Green* Hamiton. Hancoek.

101 306 231 449 306	364 206 440 182 168	157 400 519 130 1,861	6, 363 703 703 290	65 304 259 397 102	110 443 35 35 565 181	4123 413 757 784	464 162 191 78 157	
222 208 243 524 306	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	118 500 227 118 4,360	1,250 195 437 6,472 272	115 211 389 182 209	170 28 100 157	208 1822 1822 1333 1333	2331 200 200 198	
898, 570 5, 166, 201 4, 213, 984 5, 180, 717 5, 515, 526	1,538,937 5,140,020 2,725,116 1,086,065 1,044,675	2, 688, 352 6, 265, 150 4, 760, 757 2, 416, 582 10, 967, 339	2, 448, 191 1, 625, 598 8, 028, 087 22, 431, 763 3, 708, 797	538, 464 2, 429, 677 2, 375, 873 2, 313, 303 2, 014, 256	2, 643, 099 3,44, 205 1, 151, 306 902, 969	2, 483, 276 703, 886 2, 111, 176 4, 833, 457 1, 396, 103	4, 312, 898 3, 298, 296 4, 347, 630 1, 401, 675 2, 687, 917	
746 1,299 1,687 2,638 1,631	1,098 689 1,680 551 666	1,015 2,226 1,093 703 8,437	2,344 1,055 3,782 14,431 1,381	1,300 1,391 1,812 1,812	430 956 172 836 513	1, 139 1, 007 1, 007 929 678	803 1,385 1,218 886 685	
124 112 134 96	86 95 193 1,256 68	34 250 420 420 86 24,116	350 267 908 5,000	3,844 56 2,339 150	26 7773 99	48 122 2 1,456	568 117 4,291	
44000	∞ က က က	23 15 13 8 13 8 13 13 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	12 12 95 10 8	1 3 25 5 0	10	401 11	01:0:10	
6, 483 6, 359 100 6, 243	14, 869 32, 228 806 470 2, 874	212 25,540 2,495 9,263 111,897	2,041 8,499 3,124 2,469 2,105	10,276 20,607 5,527 1,381 5,883	24,016 47,228 3,540 6,197	9,916	2, 441 2, 525 7, 486 4, 675	
10	F481-8	. 10 3 3 37	5 10 87 6	∞∞ <i>1</i> −014	7-9 44	ro 64	\$\phi_\maketa\	ans' Deeds.
892,080 5,159,818 4,213,772 5,174,340 5,515,430	1, 523, 982 5, 107, 697 2, 724, 117 1, 084, 339 1, 041, 733	2, 688, 106 6, 239, 360 4, 757, 842 2, 407, 233 10, 831, 326	2, 445, 800 1, 616, 832 8, 024, 055 22, 424, 294 3, 706, 660	524,344 2,409,014 2,368,007 2,311,918 2,008,223	257, 620 2, 595, 871 344, 205 1, 146, 993 896, 673	2, 473, 312 703, 764 2, 111, 174 4, 809, 438 1, 396, 068	4,309,889 3,295,654 4,335,853 1,397,000 2,687,666	ners' and Guardi
730 1, 293 1, 678 2, 629 1, 624	1,083 682 1,677 547 661	1,012 2,201 1,067 696 8,262	2,332 1,038 3,677 14,334 1,367	1,292 1,362 1,807 1,807	420 950 172 822 507	987 1,129 1,006 913 677	795 1,377 1,206 883 682	, Commissio
Harrison. Hendricks Henry Howard Huntington	Jackson Jasper Jay Jefferson Jennings	Johnson Knox Koseiusko Lagrange Lake	Laporte Lawrence Madison Marion Marshall	Martin. Miami. Monroe. Montgonery.	Newton Noble Obho Orange Owen	Parke. Perry Pike. Porte. Porte. Porter	Pulaski Putnam Randolph Ripky Rush	"Includes also Executors', Administrators', Commissioners' and Guardians' Deeds

ncludes also Executors', Administrators', Commissioners' and Guardians' Deeds.

DEEDS FILED, 1920, LAND TRANSFERS-COUNTY RECORDERS' REPORTS-Continued

Number Other Miscel-	Papers	987 48 1,008	263 483 14 14 235	. 398 . 257 2,315	404 274 359 238	364 154 385 369
Number One Dollar Considera-	ololis	4,128 89 130 128 251	152 298 25 482 127	1,744 272 1,115	173 65 319 261	1,398 89 181 94
Total Deeds Filed	Consideration	\$4,011,499 482,924 2,744,745 1,077,354 1,579,484	1, 656, 948 2, 470, 343 558, 088 7, 596, 048 3, 909, 136	853,758 11,884,298 2,895,087 2,982,525	5,154,916 2,385,974 987,290 1,292,685	1,874,989 4,722,159 7,006,261 3,816,686
Total I	Number	5, 628 395 999 662 588	873 1,561 296 1,377	3,347 1,429 3,660	1,321 445 968 641	1,999 1,039 1,067 877
Auditors' Deeds	Consideration	\$1,213 344	42 140 69,540 6	457 33 1,250	159 365 1,003	26, 563 192 329 21
Audito	Number	66	15.	20	22 4	42024
Sheriffs' Deeds	Consideration	\$31,079 3,685 48,225	635 7,803 24,352	22,818 1,617 41,225	10,227 1,246 2,025 290	10,385 308 4,025 2,044
Sherit	Number	12 5	0 6	13 4 4 30	4	1339
*Warranty and Quit Claim Deeds	Consideration	\$3, 979, 207 478, 895 2, 744, 745 1, 077, 354 1, 531, 180	1,656,271 2,462,400 558,088 7,502,156 3,909,130	853,758 11,861,023 2,893,437 2,940,050	5, 144, 530 2, 384, 728 984, 900 1, 291, 392	1,838,041 4,721,659 7,001,907 3,814,621
*War	Number	5,550 385 999 662 564	1,539 1,364 1,364	3,327 1,423 3,610	1,295 444 963 630	1,989 1,032 1,051 872
COUNTES	,	St. Joseph Scott Scott Shelby Spencer Starke.	Steuben Sullivan Switzerland Tippecanoe	Union. Vanderburgh. Vermillion. Vigo.	Wabash Warren Warriek Washington	Wayne. Wells. White Whitley

*Includes also Executors', Administrators', Commissioners' and Guardians' Deeds.

Number Amount Number Amount Number Amount Number Number<	O TO STREET		Mortgages on Farms	on Farms		Mo	Mortgages on City and Town Lots	y and Town	Lots		School Fund Mortgages	Mortgages	
896, 811, 884 27, 425 688, 22, 512 44, 743 892, 299, 584 43, 495 654, 487, 140 1,581 81, 987, 335 1,512 8,885, 276 3,686, 276 3,886, 276 42,896, 281 42,226 6,181, 325 44 96, 600 51 2,886, 276 3,686, 276 244 248, 625 16,276 3 44 96, 600 51 2,767, 677 226 425, 638 178 246, 281 16, 276 17 16, 696 16 17 1,775, 217 186 360, 638 17, 226 114, 866 14, 906 16		Number Filed	Amount	Number Satisfied	Amount	Number Filed	Amount	Number Satisfied	Amount	Number Filed	Amount	Number Satisfied	Amount
1,582,862 450 1,045,795 186 286,995 428,682 428,685 6,187,795 43,88 428,685 6,187,795 44,686 660,600 7,88,281 42,286 6,187,757 43,80 42,28 6,187,795 44,686 660,600 2,48,665 2,28,670 1,19,452 38,046 16,746 16,050 3,30 43,00 16,745 16,050 3,30 4,290 1,50,96 2,070 381 37 4,80 18,64,90 2,186,90 3,30 4,80 16,00 3,00 6,00 1,14,80		27,721	\$96,811,864	27,425	\$68, 242, 512	44,743	\$92,299,584	43,495	\$54,487,140	1,581	987	1,512	\$1,358,357
3. 096, 698 706 2,070, 381 327 642,512 37 31,804 17 32,940 1, 574,766 1, 846, 962 1, 846, 962 1, 84, 962 13 32,946 13,941 17 1, 978, 11 12,965 13,966 13 1, 978, 11 12,966 13 1, 966, 962 13,966 1		381 608 203 230 143	1,582,862 3,585,276 499,535 2,757,677 689,736	450 346 269 225 186		2,313 2,313 105 178	265, 995 7, 386, 281 248, 055 213, 518 265, 417	233 4,226 228 130 158	273,538 6,181,325 160,276 119,452 114,886	234282 24282		171 23 11 15	15,096 65,475 21,496 450 10,050
435,682 319 329,973 230 166,753 209 166,722 11 15,800 1442,400 36 154,319 252 903,198 501 650,26 26 7,100 253,056 531 229,239 322 238,206 434 121,311 17 7,100 253,056 531 429,720 137 239,084 186 131,080 13 24,020 278,174 183 534,927 174 190,178 203 184,085 21 24,026 331,796 429 421 256,975 147 190,585 27 22,020 400,543 432 128,076 138 426,644 1,074,165 27 24 25,000 400,543 432 444 563,073 454,047 37,148 42,656 27,200 27,200 440,543 432 444,811 140 35,072 444 17,990 25,000 24,425 20,442 17,		581 91 241 319 142		706 90 320 286 175	079, 57, 864, 041, 282,	327 103 400 145	642,512 5,302 79,163 733,927 166,500	373 3 120 484 179		17 8 113 225 27		2210	21,500 1,965 30,645 16,768 11,028
288, 896 349 534,927 174 190,178 203 184,085 21 24,025 381,896 349 349,034 1,280 36,907 34 36,900 24 36,900 381,706 423 1,646,512 1,486 12,260 1,260 34 36,900 24 36,900 381,706 432 1,724,936 377 748,314 664 1,074,165 23 42,660 23 42,660 24 36,900 36,900 <td></td> <td>279 357 101 510 526</td> <td>435, 682 2, 142, 400 144, 400 253, 055 681, 120</td> <td>319 350 84 531 221</td> <td></td> <td>230 592 25 322 197</td> <td></td> <td>209 501 42 434 186</td> <td></td> <td>20 25 17 13</td> <td></td> <td>8 16 21 11 11</td> <td>6,550 16,662 8,200 30,450 8,900</td>		279 357 101 510 526	435, 682 2, 142, 400 144, 400 253, 055 681, 120	319 350 84 531 221		230 592 25 322 197		209 501 42 434 186		20 25 17 13		8 16 21 11 11	6,550 16,662 8,200 30,450 8,900
400,543 200 213,689 344 563,073 454 371 371 370 380 37,200 889,624 289 122,422 124 663,076 377 454,047 371 351,013 15 9,442 9,442 17,500 9,442 17,500		-183 707 521 111 386		183 349 423 139 432		174 421 1,496 123 337		203 483 1,260 147 664		22,22,22		10 28 30 34 34	12,075 10,250 16,200 16,000 19,117
1777 108 254 590, 281 476 989,543 424 324,753 10 20,500 1,891,613 444 869,283 670 739,308 699 905,539 29 28,204 789,483 445 766 475 676,836 678 268,705 27 25,000 7789,511 301 663,462 198 80,112 150 60,415 21,550 753,846 283 589,685 184 157,873 162 118,194 7 9,190		96 73 317 140 425	400,543 122,422 889,624 458,212 1,647,720	200 124 280 129 419		344 377 189 71 118		454 371 140 78 121		12 12 16 16	7,200 9,442 17,950 14,855 8,410	23 17 14 18	8,905 13,397 10,075 6,960
		337 368 436 308 221		254 444 418 301 283		476 670 475 198 184.		424 699 603 150 162		10 227 27 7		13 20 20 19 9	14,050 23,605 8,475 12,775 9,890

**Estimated

MORTGAGES FILED AND SATISFIED, 1920—COUNTY RECORDERS' REPORTS—Continued

. No season de s		Mortgages on Farms	on Farms		Mo	Mortgages on City and Town Lots	y and Town	Lots		School Fund	School Fund Mortgages	
COUNTIES	Number Filed	Amount	Number Satisfied	Amount	Number Filed	Amount	Number Satisfied	Amount	Number Filed	Amount	Number Satisfied	Amount
Harrison. Hendricks. Henry. Howard. Huntington.	222 547 387 430 427	\$281,465 1,975,973 1,372,978 1,415,256 1,724,840	257 658 338 472 445	\$240,883 1,261,024 752,111 820,870 848,721	93 179 858 925 553	\$27,227 180,537 753,139 1,567,976 811,211	32 240 602 859 479	\$24,458 115,000 641,482 1,014,412 437,296	50 20 12 9	\$32,817 14,200 32,750 24,250 17,600	55 12 19 27 17	\$22,908 13,600 20,325 19,246 13,612
Jackson. Jasper. Jay Jeferson. Jennings.	214 341 342 210 230	2,398,513 1,216,599 349,967 470,682	223 347 300 218 304	322, 162 1, 466, 051 30, 779 232, 324 331, 151	292 100 189 195 98	311,046 121,856 193,976 151,459 92,729	366 121 209 194 72	209,607 102,317 34,346 202,271 45,572	24 7 7 18 18 21	14,700 8,950 21,175 19,050 13,200	11 5 33 1 1 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7,523 7,637 18,860 12,948 10,075
Johnson Knox. Kosciusko Lagrange	325 400 389 238 217	1,178,158 219,791 1,451,099 879,720 1,419,297	237 100 441 262 221	484, 164 45, 684 864, 951 818, 908 1, 307, 036	268 1,254 202 53 5,273	298, 214 369, 083 357, 744 55, 432 7, 149, 294	262 800 306 69 4,564	223, 694 350, 000 268, 186 42, 203 1, 580, 768	20 18 18 21	12, 650 25, 000 24, 250 8, 300 62, 680	21 10 21 1 1	20,185 14,000 14,200 6,430
Laporte. Lawrence. Madison. Marion. Marshall.	410 224 396 1, 263 371	1,245,000 344,704 1,554,940 545,872 1,217,678	495 300 395 987 449	1,440,700 307,980 857,143 227,495 793,345	345 407 1,197 7,319 254	988,700 381,399 1,400,563 31,162,243 447,196	245 428 1,460 5,279	775,000 316,702 1,314,605 17,246,712 219,387	111 171 184 121	. 13,700 10,950 36,550 92,750 17,050	27 15 29 11	7,500 14,710 16,925 53,460 12,185
Martin Miami Monroo Montgonery Morgan	131 327 220 691 279	249, 245 1, 106, 096 410, 448 3, 002, 517 1, 964, 716	96 249 174 634 354	126, 651 603, 054 857, 033 1, 707, 452 554, 570	47 336 432 446 195	41, 323 570, 061 563, 218 1, 161, 848 194, 819	44 414 550 447 192	31,216 410,202 304,201 440,439 141,560	2222	18, 475 29, 030 11, 402 15, 350 2, 675	17 21 4 12 1	12,875 17,955 1,500 9,455 1,100
Newton Noble Ohio Orange Owen	172 246 48 192 173	1,348,747 1,012,879 88,857 289,498 254,647	70 249 37 129 307	42, 600 689, 384 .37, 376 161, 658 298, 712	73 149 33 112 68	84, 403 189, 652 55, 772 361, 100 56, 537	40 93 30 112	19, 680 179, 394 24, 098 136, 188	4009111	2,900 12,135 6,805 10,187 9,000	10 6 6 16	6,535

14, 763 2, 542 14, 747 18, 850 17, 176	8,675 17,245 17,160 13,000 22,750	16,385 5,505 12,737 7,500	6,100 22,860 19,060 24,050 10,150	38, 032 20, 755 11, 595 28, 400	16,550 12,000 9,780 7,298	98,020 7,400 15,166 6,988
26 14 23	111 20 17 7 7	12 12 13 14	2313367 2313367	25.5	11 14 32 16	113 123 9 9
18,000 9,462 17,000 15,750 17,757	7,875. 14,265 27,150 20,000 30,450	42,725 5,525 21,850 12,550 8 150	3,100 21,650 19,580 34,550 15,800	19, 640 52, 977 7, 850 72, 000	10,500 69,293 7,950 12,410	46,690 21,800 20,000 13,685
20 17 20 15	7 15 16 13 24	23 11 113 113	23 23 19 17	111 29 7 60	18 18 14 10	25 15 16
108,053 106,527 101,573 392,342 1,423,207	53,754 119,123 263,855 61,000 171,415	3, 155, 852 40, 837 294, 605 39, 596 73, 000	99, 595 342, 320 13, 379 904, 715 200, 639	41,427 1,992,766 392,125 205,420	644, 647 28, 075 141, 227 73, 691	841, 244 209, 943 194, 648 100, 478
53 152 125 266 181	24 125 325 99 173	2,242 84 299 65 110	137 310 35 616 200	35 1,134 482 2,020	336 54 246 116	692 208 150 166
39,377 180,080 143,736 546,699 2,662,999	101,162 218,741 679,037 80,800 224,292	5, 639, 918 84, 800 650, 095 116, 693 125, 277	151,851 310,200 15,575 956,641 261,622	43,190 4,889,166 617,825 1,335,285	731, 210 89, 847 224, 686 107, 568	1, 204, 803 200, 142 727, 297 184, 672
. 47 166 127 268 169	74 257 280 92 179	2,314 106 363 80 115	117 364 15 473 177	35 1,186 585 2,350	287 69 243 140	634 190 152 117
432, 215 24, 860 238, 865 859, 742 530, 379	1,022,336 593,037 1,180,424 280,000 775,695	686, 738 215, 137 778, 050 295, 283 1, 468, 507	367, 971 724, 500 87, 418 1, 357, 018 917, 541	176,841 241,422 268,748 540,260	808, 062 498, 997 275, 289 305, 417	836,843 946,348 1,493,748 771,147
266 285 235 269 183	454 297 395 371 246	409 165 387 183 331	228 452 89 369 374	65 151 104 290	286 119 240 251	333 330 467 374
1, 327, 182 91, 750 1, 889, 383 1, 686, 839 759, 179	2, 005, 491 1, 294, 636 1, 865, 282 418, 000 1, 159, 994	866,826 242,800 1,129,465 404,749 913,207	482, 565 820, 540 222, 241 2, 689, 043 1, 600, 091	271, 440 434, 475 416, 540 740, 820	1,534,128 1,225,964 638,753 355,003	1, 489, 630 1, 736, 846 2, 853, 697 538, 561
285 49 239 295 219	365 401 453 389 272	259 119 333 182 291	191 440 128 351 330	56 136 110 290	280 202 247 204	375 411 383 333
Parke Perry Pike Porter Posey.	Pulaski. Putnam Randojph Ripley. Rush	St. Joseph Scott. Shelby Spencer Starke	Steuben. Sulivan. Switzerland. Tippecanoe. Tipton.	Union. Vanderburgh. Vermillion	Wabash Warren Warrick Washington	Wayne Wells White Whitey

MORTGAGES FILED AND SATISFIED, 1920-COUNTY RECORDERS' REPORTS

Farm	Re- corded	268	40 :0100	- C1 C2 - C2	- ca co co	:00H4	: : : : : =	
atisfied	Amount	\$133,938,235	1,379,562 7,297,739 697,071 1,624,897 512,406	2,514,343 71,872 2,012,671 2,057,260 543,943	561, 605 990, 755 81, 100 465, 864 754, 440	798,155 1,029,280 2,686,076 411,382 2,199,199	640,967 519,069 834,992 10,371,169 1,076,718	1,017,905 1,957,338 1,117,644 768,567 802,584
Filed and S	Number Satisfied	100,881	5,911 827 409 429	1,216 127 583 1,114 400	747 1,137 157 1,184 459	535 1,012 2,207 340 1,622	762 769 589 273 694	1,189 1,499 1,308 1,584 599
Total Mortgages Filed and Satisfied	Amount	\$215,048,507	1,934,326 12,167,200 1,044,245 3,158,569 1,056,376	3,976,782 113,310 1,872,918 3,545,467 577,978	714,964 3,358,336 191,350 561,017 1,049,923	1,032,743 1,549,944 1,692,978 466,355 2,460,869	1,111,173 687,262 1,512,948 613,099 1,961,897	2,067,764 2,474,513 1,567,288 966,769 1,045,665
To	Number Filed	126,295	712 5,293 1,479 555 544	1,259 173 554 1,269 406	884 1,545 195 1,229 611	695 1,418 2,925 308 1,669	1,066 729 855 322 746	1,783 2,079 1,831 736 605
	Amount	\$2,332,126	7,313 89,581 10,567 1,584 3,149	12,584 24 96 4,159 20,812	7,411 9,159 2,414	2,475 12,905 9,268 5,125 8,582	59,807 1,314 2,567 2,404	6,244 54,846 2,572 4,245 5,207
ns	Number Satisfied	6,223	226 236 23,	35 1 12 15 15 6	32 32 18	20 71 88 38	70 42 22 12	144 10 16 31
Liens	Amount	\$3,458,374	12,075 82,611 29,123 7,713 17,639	16,988 24 324 15,538 6,244	12,975 22,622 1,350 26,230	11,154 19,192 51,140 12,855 41,883	8,000 1,395 4,320 4,204	17,373 57,916 24,418 7,200 6,656
	Number	10,258	327 77 31 101	81 17 61 4	847.088	232 232 19 215	44 222 60 19	249 249 90 50
	Amount	\$7,518,100	37,820 273,787 74,742 47,773 14,689	69,074 7,856 33,000 420,107 39,386	50,949 154,319 1,700 12,450 2,740	64, 593 55, 867 85, 196 31, 068 324, 399	106,895 39,024 50,168 22,416 74,102	82,597 106,065 92,242 31,670 79,608
Chattel Mortgages	Number	22, 226	1,062 284 49 46	23 110 312 20	192 238 10 190 41	119 100 412 19 454	108 181 110 110 124	473 182 257 98 114
Chattel N	Amount	\$20,491,350	$\begin{array}{c} 56,650 \\ 1,043,432 \\ 244,482 \\ 149,991 \\ 68,489 \end{array}$	187, 644 25, 785 197, 615 788, 119 47, 162	83,754 257,650 19,400 32,700 9,519	78,672 142,082 277,752 12,153 399,416	132, 357 99, 956 156, 243 42, 021 153, 322	323, 240 277, 472 51, 551 78, 396 118, 100
,	Number Filed	41,992	2,001 942 159 108	253 66 180 464 88	316 503 341 167	265 185 652 708	574 242 275 93 168	845 763 803 159
CONTRACTOR OF	COUNTY	State Total	Adams Allen Bartholomew Benton Blackford	Boone Brown. Carroll Cass. Clark.	Clay Clinton Crawford Daviess Dearborn	Decatur 285 Dekalb 185 Delaware 652 Dubons 28 Elkhart 708	Fayette Floyd Fourtain Franklin Fulton	Gibson Grant. Greene** Hamilton. Hancock.

01 :4:012-	7 - 7 - 7	00.00	 - 작구 :01	⇒ 01 · · · · · · · · · · ·	67 : 68		4 C - 63
301,236 1,431,736 1,490,964 1,993,304 1,396,311	570, 497 1, 692, 369 189, 074 480, 802 393, 689	801,140 439,324 1,203,888 895,448 4,319,693	2,416,000 653,517 2,740,461 17,950,052 1,100,550	1,157,282 1,182,221 2,225,706 722,372	. 66,964 936,413 70,161 316,019 298,712	617, 687 134, 289 415, 594 1, 344, 402 2, 110, 897	1,160,210 792,532 1,573,967 403,100 1,051,986
394 988 1,256 1,808 1,576	671 641 771 539 438	1,560 913 364 7,030	1,155 812 2,440 12,772	1,146 1,146 1,306 1,645	130 452 91 275 307	519 190 458 678 655	728 677 1,080 513 587
385,960 2,320,609 2,499,416 3,249,565 3,035,100	978,947 2,756,149 1,548,758 586,094 586,225	1,717,106 680,384 2,013,089 1,009,566 11,883,104	2, 644, 100 811, 374 3, 482, 467 32, 510, 020 1, 841, 333	361,374 1,912,270 1,051,338 4,351,701 2,260,743	1,598,976 1,332,072 163,552 694,400 380,947	1,505,755 288,048 2,110,165 2,400,578 6,345,150	2, 293, 875 1, 671, 817 3, 057, 560 583, 800 1, 572, 390
443 1,057 2,243 2,182 2,121	806 806 1,061 792 447	3,062 3,062 836 372 9,681	1,584 774 3,046 16,430 873	1,379 1,566 1,566	419 581 147 382 399	589 243 500 860 1,160	1,059 1,089 1,089 881
658 14, 253 44, 592 11, 797	2, 219 3, 469 4, 265 5, 815 1, 259	19,041 5,000 11,265 272 950,842	7,800 5,062 439,776 102,968 1,704	1,802 4,601 5,419 8,473 583	459 1,747 900 4,924	8,528 4,291 9,360 5,775	5,404 7,840 7,478 6,300 4,334
3 122 90	452 22 112 182	39 50 33 4 4 1,552	32 20 185 1,455	6 80 H 22 2	70∞H4	16 27 27 23	10 335 52 6 6 6 8
16, 207 41, 690 41, 690 31, 196 211, 107	4,086 9,703 64,279 2,527 3,389	23, 634 11, 064 26, 997 5, 716 1, 408, 520	16,700 4,965 119,854 161,425 5,387	5, 195 40, 221 12, 704 13, 331 12, 213	5,620 7,149 1,512 7,259 4,101	5,821 4,455 13,530 8,899	15,529 6,225 26,010 7,500 14,199
180 183 300 300	20 31 127 19 19	74 280 69 20 1,874	86 20 429 1,612	111 64 51 99 76	30 30 10 10	23 23 44 555	21 84 78 78 78
12,329 42,112 62,793 94,184 84,885	28,986 112,895 100,824 27,444 5,632	54,056 24,640 45,286 33,865 474,617	185,000 9,063 112,012 319,417 73,929	25,127 121,470 14,068 59,887 24,559	4,225 59,353 3,102 5,854	54,128 360 56,118 64,108 134,360	70,041 57,287 105,050 42,800 77,792
47 78 199 328 545	00 139 207 94 94	76 600 112 28 28 688	380 37 385 5,022	17 439 23 133 92	15 92 17 14	158 3 45 102 245	229 200 291 30 125
43,770 133,692 298,859 210,887 270,342	87,822 217,127 52,729 63,091 6,225	204, 450 55, 446 152, 999 60, 398 1, 843, 313	380,000 69,356 370,560 547,730 154,022	47,136 166,862 53,566 158,655 86,320	157,306 110,257 10,606 26,356 56,662	115,375 6,756 55,591 137,760 2,896,316	163,818 137,950 460,081 57,500 143,455
76 285 798 632 832	256 327 380 350 79	$^{316}_{1,108}$ $^{1,108}_{158}$ $^{57}_{2,296}$	737 112 1,007 6,172	85 630 120 321 194	159 147 55 57 126	208 11 91 227 709	380 256 256 328 328
Harrison Hendricks Henry Howard Kuntington	Jackson. Jasper. Jay Jefferson Jennings	Johnson. Knox. Kosciusko. Lagrange. Lake.	Laporte. Lawrence. Madison. Marion. Marshall.	Martin Miami Monreo Montgomery Morgan	Newton Noble Ohio Orange Owen	Parke Perry Pike Porter Posey	Pulaski Putnam Randolph Ripley Rushey

**Estimated.

MORTGAGES FILED AND SATISFIED, 1920-COUNTY RECORDERS' REPORTS-Continued

Farm	Re- corded	es : ;e1	*0		93	1984
tisfied	Amount	4, 027, 430 270, 589 1, 322, 684 392, 358 1, 616, 276	1,138,650 153,858 2,469,766 1,195,411	288, 268 2, 597, 487 695, 500 847, 690	1,580,634 577,513 472,446 397,570	2, 197, 111 1, 302, 931 1, 917, 593 923, 776
iled and Sa	Number Satisfied	3,584 298 1,039 608 628.	455 993 266 1,655 805	2,240 648 2,816	791 260 757 418	1,939 608 827 601
Total Mortgages Filed and Satisfied	Amount	7,212,898 365,262 2,290,050 650,044 1,159,858	731,451 1,264,065 306,077 4,283,048 2,062,716	358,762 5,974,783 1,172,538 2,249,640	2,538,456 1,541,052 1,116,229 512,509	3,447,383 2,071,427 3,931,262 799,092
Tot	Number Filed	3,702 273 1,618 622 660	468 1,222 277 2,003 835	2,949 1,014 3,930	1,273 479 971 423	2,428 772 1,004
	Amount	41, 719 2, 422 7, 502 14, 076	7,374 9,550 10,770 2,042	351 93,446 2,597 9,310	34,863 7,235 5,390 2,788	7,920 2,445 1,533 4,104
Liens	Number Satisfied	300 6 45 27	32 75 61	210 111 62	63 21 47 9	51 12 10 14
Lie	Amount	153,711 17,330 10,416 1,138 16,294	23,850 23,850 26,715 13,844	1,325 58,879 26,163 19,220	91,295 7,906 8,815 5,726	15,669 12,761 22,798 18,344
	Number Filed	358 4 95 10 42	38 159 81	257 69 310	96 28 16	102 35 34 39
	Amount	126, 736 6, 688 242, 527 44, 742 53, 193	36,841 39,420 34,001 173,213 65,039	31,617 249,098 20,435 64,300	76,512 31,206 40,760 8,376	413,084 136,795 212,498 41,059
Chattel Mortgages	Number Satisfied	615 31 308 337 146	51 130 119 588 195	14 720 43 420	95 52 192 26	848 46 177 38
Chattel N	Amount	509,718 14,807 478,224 114,914 96,930	88, 033 88, 425 48, 681 576, 099 171, 359	23,167 539,286 104,160 82,315	171,323 148,042 236,025 31,802	690, 591 99, 878 307, 470 43, 830
	Number Filed	748 38 815 337 201	119 240 111 1,079 279	30 1,341 243 920	603 155 441 53	1,292 121 419 66
Comme		St. Joseph. Scott. Shelby. Spencer Starke.	Steuben. Sullivan. Switzerland. Tippecance.	Union. Vanderburgh. Vermillion. Vigo.	Wabash Warren Warrick Washington	Wayne. Wells. White. Whitley

ADMINISTRATION OF JUSTICE IN 1920—CIRCUIT, SUPERIOR, CRIMINAL, JUYENILE AND PROBATE COURTS

CIVIL AND CRIMINAL CASES, 1920 .

					,		
	Convictions for Mis- demeanors Releas- demeanors Releas- demeanors Release- demeanors Rel	173	26. 57	CO			0100
	Convictions for stones arones meanisted	1,052	10000	en − en 01 0	4.1.00.1	2171	31. 3
	Convictions for Felonies Released for Probation	387	190 : :27	o := : ∞	m97 : :	15: 36:	01011501
	Convictions for Felonies	1,482	577	21	151	814 818 818 818	1255
les .	Pending, December 31, 1920	4, 122	45. 83. 83. 83.	29 4 42 42 42	18 18 18 20	. 35 21 81 81	17 103 50 9 9
Criminal Cases	Venued from Other Counties	48	5				
Crim	Venued to Other Counties	54		10	7	67	2 - 1
	Disposed of	3,683	98 67 12 12	23 13 21 22 22	24 27 13 12 10	15 63 99 126	26 15 10 10 10 10 10 10 10 10 10 10 10 10 10
	Dismissed	2,206	17 14	19 15 8 8 60	69 88 80 70	15 21 66 10 42	1320
	Filed	6,016	20 154 61 12 35	57 11 77 53	32 99 16 15	141 133 25 154	34 51 7 14
•	Pending, January 1, 1920	3,255	19 37 13 37	14 9 22 71	884 115 120	15 61 20 20 57	41 101 88 5 2
	-aU to bagbuibA baiM banos	886	7.25	10 1 28 4	182	10 13 16 8	12227
	Sheriffs' Sales	736	0.12- :4	11 2		4000	:00
	Decrees of Fore-	904		201132		4801	
	eqidansibrand	2,870	34 109 17 20	30 4 27 56 35	.39 .38 18 13 13	25 33 69 15 57	17 22 28 10 10
	-sinimbA lo steats. noitert	7,863	350 350 33 33	94 10 123 123 105	77 1112 35 66 66 50	68 83 160 20 210	80 80 82 82
ases	Children	2,805	289 18 18 8 8	288	26 29	16 63 80	84 45 50 1 9
Civil Cases	Pending, December 31, 1920	23,030	204 442 91	159 11 105 374 215	147 236 63 49 68	103 239 476 90 419	118 289 360 42 143
	Venued from Other Counties	1,537	13	18	257 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	22 23 20	© & 4 H 4
	Venued to Other Counties	1,088			41 02 22 :	45 11 15 11	1117777
	. Disposed of	27,093	1,370 1,370 132 158	271 59 100 121 277	311 370 81 203 30	186 429 858 100 712	225 290 193 122 131
	Filed	31,953	1,686 255 139 178	294 53 156 404 286	333 422 104 193 98	185 374 976 148 636	251 251 251 119 171
	Pending, January 1, 1920	20,025	194 82 91	136 17 90 339 206	139 184 39 59 64	279 394 61 486	180 244 326 45 145
	Counties	*State Total	Adams. Allen Bartholomew. Benton. Blackford	Boone Brown Carroll Cass	Clay	Decatur Dekalb Delaware Dubois	Fayette Floyd Fountain Franklin Fulton

*Except Marion County.

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	Convictions for Mis- demeanors Releas- ed on Probation	962 :4 :	00 :0 :	8 : : : : :	10	87 ::	2 co co co
	Convictions for Misdemeanors	30 41 30 30 30 30	30722	09	12 13 13 62 62 62	19 13	21 21 21 6
	Convictions for Felonies Released on Probation	. 2 . 28:	0.00 T 4 to	10	12	100	1. 181 :0
	Convictions for Felonies	57	129		16 24 18 7 101	24 16 32	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
ses	Pending, December 31, 1920	180 440 42 86	34 26 108 - 28	13 13 52 29	129 129 57 10 693	73 73 15	23.8 8.8 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2
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	bəssimsiG	25.00	10 7 125 57 71	22 22 15 15	6 49 12 3 155		3218119
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Civil Cases	Children		16 89 36 26	200.33	20 68 68 586	48	1421
Civil	Pending, December 31, 1920	700 479 237 317 354	52 187 44 44 520 433	290 147 213 64 64	94 733 99 42 42 2,540	541 163 836	2555 1845 293 211
	Venued from Other Counties	60 427 239 39	389 389 12 8	40000	26 9 9	27 10 10	300 131
	Venued to Other Counties	32 15 15 19 19	477.00		242	111 88	4 10 80 00
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	Counties	Gibson. Grant. Greene. Hamilton. Hancock.	Harrison Hendricks Henry Howard Huntington	Jackson. Jasper. Jay. Jefferson. Jennings.	Johnson Knox Kossiusko Lagrange Lake	Laporte. Lawrence. Madison.	lery.

†Marion County not submitted.

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Newton Noble Ohio Orange	Parke Perry. Pike Porter.	Pulaski Putnam Randolph Ripley Rush	St. Joseph Scott. Shelby. Spencer Starke.	SteubenSullivanSwitzerlandTippecanoeTipton.	Union Vanderburgh Vermillion	Wabash Warren Warrick	Wayne. Wells. White.

ARRESTS AND CONVICTIONS FOR FELONIES AND MISDEMEANORS, 1920—COUNTY CLERKS' RECORDS

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ARRESTS AND CONVICTIONS FOR FELONIES AND MISDEMEANORS, 1920—COUNTY CLERKS' RECORDS—Confinued

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	Ireland	БэхівтизьИ	42	9 . 4				
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PERSON	Holland and Belgium	Naturalized	124		1		60 60	
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		Declared Intentions	1,109	9				62 ==
	Counties			Adams. Allen. Bartholomew. Benton. Blackford.	Boone Brown Carroll Cass Clark	Clay. Clinton Crawford Daviess. Dearborn.	Decatur Dekalb Delaware Dubois Elkhart	Fayette. Floyd Fountain Franklin Futon

*Except Marion County:

CITIZENSHIP—NATURALIZATION—Continued

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NUMBER AND NATIVITY OF PERSONS DECLARING INTENTIONS AND NATURALIZED, 1920		Declared Intentions	67 67	400		115	44-	1 18
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le l	9. A 10 A	Pulaski. Putnam Randolph Ripley Rush	St. Joseph. Scott. Shelby Spener Starke	Steuben Sullivan Switzerland Tippecanoe Tipton	Union Vanderburgh Vermillion	Wabash Warren Warriek Washington	ne. 8. 6. ley
Newton Noble Ohio Orange. Owen	Parke Perry Pike Porter Posey	Pulaski Putnam. Randolpl Ripley Rush	St. Jose Scott Shelby. Spencer Starke.	Steuben. Sullivan. Switzerla Tippecan	Union Vand Verm Vigo	Wabash Warren Warrick Washing	Wayne Wells White

MARRIAGE AND DIVORCE, 1920—CAUSE OF DIVORCE, ETC.

		Marriage Licenses Issued	37,061	1,322 279 105 151	205 59 146 473 3,448	464 350 117 289 260	173 203 798 174 604	214 493 310 122 136	306 623 382 246 254
	Divorces Granted in Which there Were		2746	6 14 22	25	57 14 23	15 10 10 72	81 88 8 8 1	156 34 31
	Children Affected by Divorces Granted		2678	16 37 33	45 12 42	40 20 17 31	15 141 122	05 08 88 80 70	130
	Casea Pending, December 31, 1920		4051	404-61	10 10 92 52	25 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	12 133 113 113	22 4 4 22 23 24 24 24 24 24 24 24 24 24 24 24 24 24	382238
	Cases Denied or Dismissed, 1920		3856	1,158 39	10 3 10 37	122 0 33	13 36 101 2 50	28,820	89.
	Cases Filed During		9902	1,328 1,328 16 16	45 159 117	116 125 36 67 32	41 69 343 25 214	69 157 71 20 37	200 97 61 62
	Cases Pending, January 1, 1920		3841	12 4 6 21 21	20 54 49	88 40 40 80 80 80 80 80 80 80 80 80 80 80 80 80	15 34 145 5 103	19 73 34 17	232 47 20 20
	Total	bnsdarH oT	1839	108 15 14 18	420 EE	38 11 7 9	110 10 30 30 30	25.50	:53821
	Tc	əliW oT	4631	286 36 11 26	31 31 32 44 45	48 17 29 18	21 168 15 112	37 67 28 9	162 166 166 40 40
	Other Causes	bnadauH oT	185	2 1	:		465		100
DIVORCES GRANTED	Car	əliW oT	276	12	□ :0 : :	· co			44. ∞
ES GR	Failure to Provide	bnsdauH oT							
DIVORC		sliW oT	765	29	7 1	∞ :4∞	284 2	23.	37 3 10
	Drunken- ness	basdauH oT	14						4 : :
		9liW oT	126			64	G : 60		67
	Cruel	bnsdauH oT	292	67 6 3 3	9 1	36	30 21 2	118	11112
		9liW oT	2168	175 175 12 6 6 23	18 3 6 20	32 15 16 21 7	1123 123 3 57	34 36 11 15	30 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
	Criminal	basdeuH oT	34			c1			
		9liW oT	59				H 103	61	7
	Adultery	pnsdauH oT	288	72 4	13::13	1	61612624	12	420
		. sliW oT	294	30	14	104	1 24 8	1 2	101
	don-	basdauH oT	550	24212	0014 O	61 4 70	849 <u>6</u> 11	22 12	91 4 8
	Abandon- ment	oT Wife	781	83988	3 3 16	정의 :4·8	888140	61001-4	
	Countes			Adams. Allen Bartholomew Benton Blackford	Boone. Brown. Carroll. Cas. Clark.	Clay. Clinton Crawford. Daviess. Dearborn.	Decatur. Dekalb. Delaware. Dubois. Elkhart.	Fayette. Floyd. Foundain. Franklin. Fulton.	Gibson Grant Greene Hamilton Haucok

*Except Marion County.

110 182 394 619 318	168 148 217 239 131	250 706 230 126 5,600	668 361 859	190	109 334 279 304 267	97 195 53 152 133	171 176 161 349 319	123 206 138 209
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4 7 122 133	44 20 16 5	90 24 5 466	98 43 335	40	128829	10 16	280042	84800
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Harrison Hendricks Henry Howard, Hunkington	Jackson. Jasper Jay Jefferson	Johnson. Knox. Kosusko Lagrange. Lake	Laporte. Lawrence. Madison. †Marion.	Marshall	Martin. Miami. Monde. Montgomery.	Newton Noble Ohio Orange Owen	Parke Perry Pike Porter Posey	Pulaski Putnam Randolph Ripley Rush †Marion County not submitted

MARRIAGE AND DIVORCE, 1920—CAUSE OF DIVORCE, ETC.—Continued

	Mouniogo	Licenses Issued	1,412 109 317 395 90	345 345 52 492 179	43 1,489 173 1.720	266 96 189 115	525 222 142 119
	Were	Divorces Gran Which there No Children	36	20 25 25 25	203 63 498	15	75 22 11 . 13
	ed by	Children Affect Divorces Gr	14 37 14	25 130 51 51 22	101 45 194	20 95 40	40 21 20 19
	0261	Cases Pending. December 31	84 24 17	11 32 32 126 136	8 163 62 451	40 16 52	79 19 9 20
	026	Cases Denied o Dismissed, 1	39 26	11842.44	210 33 444	10 4 71 83	41 119 7 9
	Bair	Cases Filed Du 1920	309 11 80 26	28 126 13 147 49	16 677 133 932	67 12 46 101	173 52 30 35
	026	Cases Pending, January 1, 1	97 23 10	33 125 135	139 53 425	22°28	20 20 16
	Total	basdsuH oT	24 21 21 5	21 21 21 12	4 124 31 216	12 3 9	22
	Ĺ	91iW oT	213 7 31 8 9	22 23 23 23 23	312 60 446	25 10	83 27 14 19
	Other	bnsdauH oT	: : : : :		118	-	
DIVORCES GRANTED	0 0 0	9liW oT	1-01	3	29		1 2
CES GI	Failure to Provide	basdsuH oT					
Divor	Fail	91iW oT	56 6	1123	65	22 25 2	182
	Drunken- ness	basdauH oT	-		67-1		
	Dru	91iW oT	67		31.		22
	Cruel	basdauH oT	10 64 00	101201	171 272 55	0101001	
	Cruel Treatmen	91iW oT	94 4 13 6 6	4.0 6 8 8 8	6 97 54 115	15 4	17 16 9 7
	Criminal Conviction	basdauH oT	en : : : :				4
	Conv	91iW oT	ър	: : : 	13		eo : : :
	Adultery	ривdauH oT	es e4	1 : :21	25.3	67	=:
	Adu	91iW oT	2 1	13 02	22 20	4 : : ;	22
	andon- ment	bnsdauH oT	16 10 12 2	21 21	50	∞ : :m	9114
	Abandon- ment	91iW oT	47 112 4	44014	57		15 2 4 21
COUNTIBS		St. Joseph. Skolot. Spencer Spencer Starke	Steuben. Sullivan. Switzerland Tippecanoe. Tipton.	Union. Vanderburgh. Vermillion. Vigo.	Wabash. Warren. Warriek. Washington.	Wayne Wells White. Whitley	

MAYORS AND CLERKS OF INDIANA CITIES (Elected November 8, 1921)

D. means Democrat; R., Republican; Soc., Socialist; Cit., Citizens; Ind., Independent; Far. Lab., Farmer-Labor: Soc. Lab., Social Labor.

Сітч	Mayor	Vote	Clerk	Vote
Alexandria	J. H. Edwards, D	1,325 861 36	Bernard Madden, D	1,334 849
Anderson	Blanchard G. Horne, R. Jesse H. Mellett, D. Louis S. Farmer. Howard Homan	5,508 5,114 791 945	Miss Ranna Creason, R. Harry Ellis, D. Ella Williams Nellie Cooper	5,362 5,315 788 885
Angola	Orville Stevens, RL. N. Klink, D	490 355	Fred Williamson, R Sterling McClellan, D	497 331
Attica	Joseph J. Rice, D	1,028 774	Clinton J. Tinsman, R. Nelle W. Brennan, D.	888 868
Auburn	Warren Lige, D	1,100 657	Glenn Potter, D	1,144 584
Aurora	Edwin Libbert, D	1,288 1,117	Jesse Henry, D	1, 207 1, 153
Batesville	Quirin Vonderheide, D	672 584	A. M. Roell, D	738 504
Bedford	C. R. Johnson, D	2,283 2,114	Ralph N. Smith, R	2,350 1,968
Bicknell	William Callahan, D	1,506 1,347	Myrtle Hollingsworth, D. W. S. Keith, R	1,560 1,056
Bloomington	John G. Harris, D	2,586 2,556	E. Cooper, R Roy D. Beard, D.	2,534 $2,513$
Bluffton	F. G. Thompson, D	1,017 315	Simon J. Moomaw, D	1,008
Boonville	Thomas Mullins, D	1,100 884	Retta Hickerson, D	1,022 928
Brazil	William M. Strobel, D Edmund S. Nance, R	1,876 1,850	Clifford Luther, D Frederick K. DeArmey, R	1,878 1,818
Butler	L. F. Tombow, D	532 380	Rosco Capp, R	499 409
Cannelton	Timothy Collins, Peoples William C. Lehman, Cit	616 394	Fred Berger, Peoples	659 341
Clinton	M. J. Tucker, D. J. Clark Smith, R. John Simms, Soc.	1,732 1,349 247	David R. Lewis, D Herman L. Brown, R Mary Fogelson, Soc	1,474 1,458 224
Columbia City	Frank Meitzler, D	1,053 921	Edward Erdman; D. Chas. E. Dare, R	1, 196 758
Columbus	E. A. Tucker, D	2,616 2,137	Mayme B. Norton, R	2,413 2,23
Connersville	James Clifton, D	1	John Payne, R Grover I. Fenwick, D	2,17- 1,88
Covington	Dr. Charles C. Wert, D		Chas. Baldwin, D Lucy Bell, R	728 46
Crawfordsville	Earl Berry, D Frank McNutt, R	1	James Hamilton, R Edith Gilkey, D	2,44 2,39
Crown Point	Edward C. Glover, Ind		Luther Rudolph, Ind	68 61
Decatur	Huber Devoss, D	1.425	Catherine Kauffman, D	1,41 1,09
*Delphi			Talmar R. Arnold, R	

^{*}No election at Delphi.

MAYORS AND CLERKS OF INDIANA CITIES—Continued

Сттч	Mayor	Vote	Clerk	Vote
Dunkirk	Charles L. Gaunt, R	405	John G. White, R.	399
East Chicago	Frank Callahan, Ind	4,177 3,065	Wm. H. Miller, Ind. T. Y. Richards, R.	3,897 3,123
Elkhart	B. Frank Leader, D. William Wider, R. Harry H. Slough, Soc.		Verden Meisner, R. Frank Dodge, D. Dawn Kramer, Soc.	3,572 3,111 1,026
Elwood	W. A. Faust, D	2,382 2,235	Birdie Adams, R	2,316 2,282
Evansville	*Benjamin Bosse, D. John S. Hopkins, R. Jacob Darsch, Soc. Arthur H. Yaser, Far. Lab.	17, 169 16, 212 326 760	Walter J. Foley, D. Alma L. Witten braker, R. William Walthers, Soc. Thomas G. Marshall, Far. Lab.	16,861 16,231 341 771
Fort Wayne	Wm. J. Hosey, D	14,678 13,182	Otto Koenig, D	13,988 13,145
Frankfort	Robert Keene , D. Oliver Roush , R	2,565 2,343	Maurice Petty, R Marion Harland, D	2,527 2,381
Franklin	Harry Hougham, R L. Ivy A. Young, D	1,201 1,181	Thomas R. Moore, R. Bess Scholler, D	1,350 959
Garrett	George Schulthess, D	920	C. U. Bowers, D	, 923 153
Gary	R. O. Johnson, R Harvey Curtis, D	6,985 4,690	Bessie R. Ross, R ,	8,478
Gas City	Calvin R. Taylor, Ind. Newton Miller, Soc. John H. Waldron, Cit	598 237 362	John Malay, Ind Arthur L. Shoemaker, Soc Walter L. Leach, Cit	609 201 350
Goshen	George Rimpler, D Nathan Manrow, R	2,153 2,062	Chas. Crowell, R	2,271 1,845
Greencastle	Charles S. Zeis, R	1,060 822	Gwin S. Ensign, R Sylvester Miller, D	1, 143 711
Greenfield	Frank Larabee, D	1,447 1,009	Mabel Harding, R	1,380 1,050
Greensburg	Myron Jenkins, R	1,339 1,079	Walter Crisler, RAnderson Ketchum, D	1,340 1,028
Hammond	Dan Brown, R Edward Simon, D	5,731 5,151	Arnold Kunert, R	5,547 5,308
Hartford City	John McGeath, D. H. L. McAtee, R.	1,257 817	Walter Markin, D. Orrie P. Honey, R.	1, 197 817
Huntingburg	Louis Wagner, D W. E. Ellsworth, R Wm. J. McMillen, Soc	927 514 109	Cassie Day, D. Moody Katler, R. Jas. A. Garland, Soc.	766 696 62
Huntington	Clarence Juillerat, D Daniel Shaeff, R	3,368 2,401	A. C. Abbott, D. Harry Young, R.	$3,116 \\ 2,597$
Indianapolis	Samuel L. Shank, R	60,604 38,307 1,302 192	J. W. Rhodehamel, R. Martha Y. Marson, D. Edwin B. King, Soc. August Stehr, Soc. Lab.	68,256 30,908 1,257 185
Jasonville	Irvin C. Huffman, Soc W. J. Powell, D V. C. A. Loudermilk, R.	684 427 414	A. E. McCullogh, R. Carl Ladson, D. Wm. Ogden, Soc.	580 360 486
Jasper	George P. Wagner, D	60	A. P. Dudine, D	59
Jeffersonville	Joseph Warder, D	2,571 1,847 88	Henry Duitz, D	2,308 2,020 78
Kendallville	Ulysses Brouse, R	1,070 860	Carl Ortstadt, R	1,097 820

^{*}Deceased April 4, 1922. Succeeded by Wm. H. Elmendorf.

CITY OFFICERS

MAYORS AND CLERKS OF INDIANA CITIES-Continued

Сіту	Mayor	Vote	Clerk	Vote
Kokomo	B. C. Moon, D	4,403 3,187 2,951	Ben Havens, RArthur Parks, DSamuel Barton, Soc	4,884 2,759 2,606
Lafayette	George R. Durgan, D	6, 198 5, 553	E. J. Vaughn, R	5,792 5,559
Laporte	H. W. Sallwasser, D	3,364 2,977	Albert Schultz, D Emmett Doolittle, R	3,483 2,736
Lawrenceburg	Jacob Spanagel, D James H. Ewbank, R	993 906	Joseph F. Frazer, R	1,033
Lebanon	Clyde Walker, D Paul Tauer, R	1,683 1,462	William Smith, D	1,695 1,457
Ligonier	C. E. Denning, R Edwin D. Smith, D	646 283	Tom Jeanneret, R	705 214
Linton	Josephus Inman, D. Walton Stover, R. Walter H. Scholl, Soc.	888 859 787	Cletus Gill, D. Bert Brown, R. Ellis Veller, Soc.	946 916 568
Logansport	Frank V. Guthrie, D Dr. M. B. Stewart, R	5,534 5,088	Delbert Kinnaman, D Roscoe Creery, R	5,732 4,711
Loogootee	Thomas H. Browning, D William A. Ellis, R	678 352	Jerome C. Patterson, D	672 341
Madison	Edward Eckert, R	1,786 1,724	George F. Harper, R	1,941 1,549
Marion	Dr. George R. Daniels, R J. M. Wallace, D	3,547 3,477	Claude Hamilton, R	4,143 2,835
Martinsville	Ed. L. Avery, R	1,224 867	Harry Hammans, R	1,152 918
*Michigan City			•••••	
Mishawaka	William Dodge, D	3,022 3,011	Joseph de Lorenzi, R Louis Swanger, D	2,914 2,830
Mitchell	C. A. MacFall, Cit.	709	Estella Edwards, Cit	507
Monticello	Guy R. Coffin, D	866 543	J. Y. Stephenson, D	1,116 292
Montpelier	F. M. Reynolds, R	688 537	Floss Henderson, D	635 577
Mt. Vernon	Lemuel T. Osborne, D J. H. Moeller, R	1,362 1,274	Lloyd W. Dixon, D	1,724 849
Muncie	John C. Quick, R Rollin H. Bunch, D	8,568 6,496	Maynel Dalby, R	8,422 6,351
New Albany	Robert W. Morris, R Lillie M. Kurfess, D	5,750 4,572 198	Albert C. Taylor, D. David H. Beard, R. Dennis Warner, Far. Lab.	6,332 3,758 154
Newcastle	John H. Morris, R Strod Hays, D	2,424 2,214	L. M. Johnson, R	2,414
Noblesville	Horace Brown, R	1,210 502	Ruby Buscher, D	966 731
North Vernon	Charles Webster, D Frank Little, R	773 727	William Riley, R	868 619
Peru	J. E. Yarling, D	3,437 2,835	Homer Baltimore, D	3,959 2,188
Plymouth	Alpha Ball, D Orval Roberts, R	1,217 914	Fred Rannels, R	1,072 1,020
Portland	Thomas H. Fleming, D	1,804 1,142	Clem Wilson, D	1,672 1,224

^{*}Michigan City adopted the Commissioner-Manager Form of Government on June 7, 1921, to be effective on January 1, 1922.

MAYORS AND CLERKS OF INDIANA CITIES-Continued

Стт	Mayor	Vote	Clerk	Vote
Princeton	Charles A. Niemeier, D	1,721 1,583	C. E. McCormick, R	1,935 1,290
Rensselaer	Jay W. Stockton, D. Moses Leopold, R	: 838 780	Charles Morlan, R Elizabeth Kanne, D	944 682
Richmond	Lawrence Handley, D	5,551 3,493	William Stevens, R	4,276
Rising Sun	Cornelius Green, D	439 434	Stanley Powell, D	482 394
Rochester	M. O. King, D Edwin Mercer, R	1,132 811	Etta Kessler, D. Alf Carter, R.	1,073 824
Rockport	E. D. Ehrmann, D	536 448	Charles Davis, R Henry Kersteins, Jr., D.	529 458
Rushville	Walter R. Thomas, D	1,446 1,308	Earl E. Osborne, R. Osro L. Farthing, D	1,477 $1,223$
Seymour	Chas. L. Kessler, D T. Harlan Montgomery, R D. L. Prall, Ind.	1,507 1,156 687	L. Ed. Jennings, D	1,649 1,490
Shelbyville	Lee Hoop, D William Bass, R	3,237 1,486	Pleas E. Greenlee, D. Floyd Jones, R.	2,865 1,800
South Bend	Eli Seebirt, R Frank S. Bilinski, D	10,217 6,483	Gladys Monroe, D	8,311 8,061
Sullivan	W. B. Walters, D	700 464 380	Myrtle Macey, D	642 539 326
Tell City	John Hess, R	1,018 888	Joseph Adam, Jr., R. John Begert, D	979 897
Terre Haute	Ora D. Davis, R. Donn M. Roberts, D. Philip K. Reinbold, Soc. Oliver Z. Miller, Ind.	11,706 11,154 1,900 89	Ira Andrews, R. Frank A. Corbin, D. George A. Cameron, Soc.	11,266 10,372 1,499
Tipton	Sterling Standerford, D	1,318 1,287	Nina Smith, D	1,354 1,185
Union City	Elmer Kerr, D. Oliver Gist, R.	901 824	Mrs. John Morris, D Nettie White, R	882 806
Valparaiso	Edgerton W. Agar, R. John D. Stoner, D	1,374 1,133	Mrs. Grace Blachly, R	1,568 854
Veedersburg	John Ratcliff, R Robert Hutchins, D	442 265	Charles Allen, R. Ralph Bogan, D.	379 309
*Vevay	Charles B. Lamson, R O. P. Courtney, D	392 392	Chester Kiessel, D	399 380
Vincennes	John M. Grayson, R	4,149 3,478 368	C. V. L. Tucker, D	3,774 3,648 381
Wabash	James Wilson, D Lawrence Jewett, R	2,538 1,943	Georgia Alber, D	$\frac{2,300}{2,110}$
Warsaw	John A. Sloane, R.	120	R. O. Nusbaum, R	115
Washington	John W. McCarty, D J. G. Allen, R	2,743 2,284	Fred Fromme, D	2,657 $2,324$
Whiting	Walter Schrage, R	1,340 1,251	Harry E. Powers, R. John A. Tokarz, D.	1,469 1,045
Winchester	Oran E. Ross, R Joseph C. Gard, D	814 265	Charles E. Ferris, R	890

^{*}As the regular election in Vevay resulted in a tie, a special election for mayor only was held on December 6, 1921, at which Charles B. Lamson, Rep., received 419 votes and Oliver P. Courtney, Dem., received 417 votes.

JUDGES AND TREASURER

Elected November 8, 1921

Сітч	Treasurer Treasurer		Judge	Vote
Attica	Morris Blount, D	1,211 559		
Auburn	Ida M. Bates, R Mabel Emerson, D	953 775		
Aurora	J. Lawrence Fowler, R Nobert F. Nees, D	1, 199 1, 171		
Batesville	D. J. Foley, D	677 566		
Bedford	Isaac H. Crim, R	2,370 1,924		
Bicknell	T. N. Walker, D. Hallie Stalcup, R. Thomas B. Hargis, Soc.	2,130 545 137		
Bloomington	Samuel Pfrimmer, R	2,683 2,363		
B onville	Clyde Teush, D Frank McConnell, R	1,013 957		
Butler	Earl Frisbe, D Chas. Campbell, R.	575 326	·	
Cannelton	Ernest Rinkel, Peoples	637 364		
Clinton	Mary Reese, D	1,607 1,296 228	G. E. Bingham, R	1,522
Columbia City	Castle Bridge, R	981 967		
Columbus	Martin H. Mueller, D Carl D. Boyer, R	3,066 1,622	,	,
Connersville	Mabel C. Wainwright, R Kate E. Scribner, D	2,174 1,900		
Crawfordsville	Milton McKee, D	2,485 2,384		
Crown Point	Jacob Steeb, Ind	771 534		
Decatur	Mrs. Flo Kinzle' D	1,491 1,011		
Dunkirk	Lionel A. Pratt, R	398		
East Chicago	Jos. Wleklinski, Ind	3,698 3,415	Allen P. Twyman, Ind	4,143 3,027
Elkhart	Fred Lunquist, R Edward Campbell, D John C. Bowers, Soc	3,572 3,221 950	Walker Walker, D David Hoover R Jas. I. Van Tilbury, Soc	3,523 3,360 886
Elwood	Earl J. McCarel, R	2,319 2,297 925		
Evansville			Emra H. Ireland, D. Chas. P. Bock, R. Robert L. Miller, Soc. Leonard N. Varble, Far. Lab.	17, 128 16, 231 336 772
Fort Wayne			J. Fr ank Mungovan, R Cleveland Schlatter, D	14,610 12,562
Frankfort	Squire Sheridan, R	2,478 2,440		
Garrett	H. E. Wert, D	921		

YEAR BOOK

JUDGES AND TREASURER-Continued

Сіту	Treasurer	Vote	Judge	Vote
Gary	John R. Lane, R	8,354	William M. Dunn, R James A. Sweeney, D	6,620 4,022
Greenfield	Mrs. Odell Martin, R	1,224 1,194		
Hammond	Walter Bielefeld, R Edward Eggebrecht, D	5,821 5,055	Henry Cleveland, R	5,687 5,199
Huntingburg	Al Portenheimer, D	832 610 75		
Indianapolis			Delbert O. Wilmeth, R	66,337 32,940 1,283 187
Jasonville	L. M. Walters, R J. M. Moore, D. Mrs. Minnie Sims, Soc.	513 475 451		
Kendall ville	William Gregg, R	1,375	:	
Kokomo			Joseph Cripe, R. Forest E. Jump, D. Wm. McGaw, Soc.	4,922 2,538 2,578
Lafayette			Chas. West, R Francis Murphy, D	5,882 5,594
Lawrenceburg	Frank Dober, DCarl W. Decker, R	1,037 824		
Lebanon	Della Smiley, D Reginald Stewart, R.	1,662 1,489		
Ligonier	Karl Franks, R Chester C. Smith, D	577 342		
Linton	Lola Hollowell, D	976 891 568		
Logansport	Harry Eisenbis, D Earl E. Wedekind, R	5,831 4,589		
Loogootee	Curtis T. Brown, D E. M. Reily, R	637 378		
Mishawaka	Willis Kimball, R	3,227 2,543	John Raab, D Edwin Bower, R	2,899 2,877
Mitchell	John H. Landreth, Cit	602		
Muncie			Lance M. Coons, R	7,826 6,994
Newcastle	Mrs. Nettie Colson, R	2,433		
Peru	Bernard Lindner, D	3,589 2,524		
Plymouth	Oscar Woodbury, D Emma H. Sult, R	1,456 666		
Rensselaer	F. D. Burchard, D Junior Benjamin, R	843 763		
Rochester	Bertha Musser, R Everett Shriver, D	974 909		
Rushville	Thomas E. Conway, D	1,540 1,177		
South Bend			Chester Ducomb, R	8,985 7,309
Tell City	Wm. Poehlein, R. Frank George, D.	1,058 815		

JUDGES AND TREASURER-Continued

Стт	Treasurer	Vote	Judge	Vote
Terre Haute			Robert R. Irwin, R James P. Madigan, D William Schuhardt, Soc.	10,965 10,802 1,486
Tipton	Hugh M. Holloway, R* *Mildred P. Lebo, D	1,278 1,278		
Washington	Anna Gibson, D Earl McCafferty, R	$2,542 \\ 2,427$		
Whiting	Edith Langenhan, R Edna Doolittle, D	1,457 1,065	T. Joseph Sullivan, D Schuler C. Dwyer, R	1,363 1,149

ELECTIONS ON COMMISSION-MANAGER PLAN OF CITY GOVERNMENT, 1921

According to the provisions of a law passed by the 1921 legislature, any city of the state is permitted to hold an election at any time on the question of adopting the commission or the commission-manager form of government. During the year 1921, elections were held in twelve cities, all voting upon the commission-manager form. The following table shows the cities where such elections were held, the date of the election, the votes cast for and against the plan and the total vote:

Стту	Date	Vote For	Vote Against	Total
Anderson	June 7	1,174	4,541	5,715
Connersville	June 4	482	3,635	4,117
Evansville	June 16	6,622	12,461	19,083
Kokomo	June 7	915	4,383	5,298
Madison	June 14	354	1,918	2,272
Marion	May 31	1,563	5,738	7,301
Michigan City	June 7	2,472	2,242	4,714
Muncie	June 7	3,728	7,696	11,424
New Albany	June 7	2,037	3,663	5,700
Princeton	June 7	358	1,199	1,557
Richmond	June 14	2,553	3,778	6,331
Rcchester	June 24	105	1,138	1,243

^{*} Declared elected.

MEMBERS OF THE SENATE SEVENTY-SECOND GENERAL ASSEMBLY, 1921

(Convened on January 6 and adjourned on March 7)

(Convened in Special Session on December 14, 1921, and adjourned on December 14, 1921)

		<u> </u>		
Name	Politics	Address	County	Occupation
Adams, Frank MAlldredge, John S	Republican. Republican.	Rockville	Parke and Vigo Henry, Madison and Tipton	Farmer. Attorney and real
Arnold, Wm. A	Democrat	Salem	Floyd and Washington	estate. Real estate and
Bainum, Chas. A Baxter, Arthur R Beardsley, A. H	Republican. Republican. Republican. Republican.	Vincennes Indianapolis Elkhart	Knox and Pike Marion. Elkhart	attorney. Lawyer Manufacturer. Manufacturer.
Beardsley, A. H. Behmer, Walter J. Bowers, Wm. E. Brown, William	Republican . Republican .	Logansport New Haven Hebron	Cass and Fulton	R. R. engineer. Mgr. Telephone Co.
Buchanan, Chas. J	Republican. Republican. Republican.	Indianapolis Frankfort Plymouth	Newton	Contractor. Undertaker. Manufacturer. Manufacturer.
Cravens, Joseph M	Democrat	Madison	Dearborn, Ohio, Jefferson and Switzerland	Capitalist.
Decker, John F. Douglass, Maurice Duncan, Estes Dunn, Oliver E. English, Wm. E.	Democrat Democrat Republican Republican Republican	BlufftonFlatrockCloverdaleSpencerIndianapolis	Adams, Wells and Blackford Bartholomew and Shelby Montgomery and Putnam Clay, Morgan and Owen Hamilton, Hendricks and	Lawyer. Farmer. Farmer. Merchant.
Fitch, J. Monroe Furnas, Miles J	Republican. Republican.	Muncie	Marion Delaware	Attorney, Retired. Attorney and Farmer.
Hartzell, Lee J	Republican. Democrat Democrat	Fort Wayne Scottsburg Bloomington	Jay and Randolph	Farmer. Lawyer. Attorney. Attorney.
Hepler, George Y Hill, Rowland H	Democrat Republican.	South Bend Carthage	St. Joseph	Farmer. Farmer and Grain Dealer.
Holmes, C. Oliver Humphreys, Jas. H.	Republican. Republican. Democrat	Marion Gary Linton	Grant Lake Greene and Sullivan	Lawyer. Banker. Farmer.
Kiper, Roscoe Kline, Oliver Leonard, C. Leroy	Republican. Republican. Republican.	Boonville Huntington Silver Lake	Vanderburgh and Warrick Huntington and Whitley Kosciusko and Wabash	Lawyer. Farmer. Farmer and stock breeder.
Lindley, Alonzo H	Republican.	Kingman	Fountain, Vermillion and Warren	Farmer.
Maier, Paul	Republican. Republican. Republican.	Princeton Indianapolis Richmond	Gibson and Posey Marion Fayette and Wayne	Farmer. Lawyer. Manufacturer.
McCullough, Wm. A. Meeker, Curtis D. Miller, Winfield. Moorhead, Robert L.	Democrat Republican . Republican . Republican .	Rockport Monticello Indianapolis Indianapolis	Spencer, Dubois and Daviess Carroll, Pulaski and White . Marion	Lawyer. Lumber merchant. General manager
Nejdl, James J Nichols Chas. S	Republican.	Whiting Howe	Lake Lagrange, Noble and	Publishing Co. Contractor.
Ratts, Oscar	Republican.	Paoli	Steuben	Banker and farmer.
Richards, Clem J Self, Frank H	Republican. Republican.	Terre Haute Corydon	Vigo. Perry, Crawford and Harrison.	Coal operator. Editor.
Southworth, Ray M Steele, Claude Strode, Don P	Republican. Republican. Republican.	W. Lafayette Knox	Benton and Tippecanoe Laporte and Starke Howard	Merchant. Real estate. Lawyer.
Swain, Wm. M	Republican. Republican.	Pendleton Brookville	Madison. Jennings, Ripley, Franklin and Union	Manufacturer. Lawver.
Van Orman, F. Harold	Republican.	Evansville	Vanderburgh	Hotel manager.

MEMBERS OF THE HOUSE OF REPRESENTATIVES, SEVENTY-SECOND GENERAL ASSEMBLY, 1921

(Convened on January 6 and adjourned on March 7)

(Convened in Special Session on December 14, 1921, and adjourned on December 14, 1921)

Members	Politics	Address	County	Occupation
Abrams, Henry Ahlgren, Oscar A. Anderson, Wm. B. Barker, Murray S. Barker, R. U. Bedgood, Russell K. Benedict, John L. Benz, Sam. Beyler, Otto Roy. Boner, Dr. George W.	Republican. Republican. Republican. Republican. Democrat. Republican. Republican. Democrat. Republican.	Indianapolis Whiting Velpen Thorntown Mt. Vernon Lafayette Indianapolis English South Bend	Marion. Lake. Knox and Pike. Boone. Possy. Tippecanne and Warren. Marion. Crawford and Washington. St. Joseph. Daviess and Martin.	Attorney. Attorney. Farmer. Farmer. Attorney. Attorney and farmer. Attorney. Merchant. Lawyer.
Buller, Clarence O. Calef, M. T	Republican. Republican. Republican. Democrat	Summitville South Bend Marysville	Madison	Physician and Surgeon. Farmer. Highway engineer. Grain Merchant and
Coapstick, W. M	Republican.	Frankfort	Clinton	Farmer and Traveling
Cooper, George H Coppock, Donald M	Democrat Republican .	Greenfield Peru	Hancock	Salesman. Banker and Farmer. Real Estate and Insurance.
Cox, Thomas Harvey Cronin, Jeremiah P. Curry, David N. Dailey, Eph P.	Republican . Democrat Democrat Republican .	Indianapolis Hartford City Carlisle Fort Wayne	Marion	Banker and Farmer. Banker and Farmer. Farmer. Secretary Fort Wayne Builders Exchange.
Davis, Benjamin F Davis, Chester A Day, J. I Dean, Charles E	Republican Republican Republican Republican	North Salem Pennville East Chicago Marble Hill	HendricksJay LakeJefferson and ScottJ	Farmer. Attorney. Carpenter. Farmer and Fruit
Delaplane, James	Republican. Republican. Republican.	Lincoln	Carroll and Cass. Bartholomew. Dubois and Orange.	Grower. Farmer. Physician. Manager Dufendach Hardware Co.
Erni, C. Pralle Fifield, Otto G	Democrat Republican .	New Albany Crown Point	FloydLake	Geologist. Farmer and Grain
Filbert, James B	Republican. Republican. Republican. Republican. Republican.	Linton Terre Haute Kokomo Troy Anderson	Green and Sullivan. Vigo Howard Perry and Spencer Madison and Tipton	Merchant. Attorney. Farmer. Abstractor. Druggist. Interurban Motor-
Gill, Willis E. Givan, Clinton H. Gottschalk, Thurman A. Grayson, John M. Hall, Sherman. Hannberg, William. Hansell, George W. Hare, W. J. Harlan, Charles W. Harris, J. Glenn. Harrison, Col. Russell B. Haworth, Paul L. Hoffman, John H.	Democrat . Republican. Democrat . Republican. Democrat . Republican.	Cloverdale. Indianapolis. Berne. Vincennes. Crothersville. Rising Sun. Medaryville. North Vernon Warsaw Gary. Indianapolis. West Newton Ligonier. Rochester	Putnam Marion Adams Knox Jackson Dearborn and Ohio Pulaski and White Decatur and Jennings Kosciusko Lake Marion Marion Noble Fulton and Miami	man. Farmer and Minister. Attorney. Tile Manufacturer Real Estate Dealer. Farmer. Merchant. Farmer. Manufacturer. Lecturer. Attorney. Attorney. Mistorian. MerchantandFarmer. Engineer and Contractor.
Hougham, Robert B Hughes, John A Humphries, Jeptha Humrichouser, Henry L James, Geo. H	Democrat Republican . Republican . Republican . Republican .	Franklin Newport Shelbyville Plymouth Brazil	Johnson. Vermillion Shelby. Marshall. Clay.	Attorney and Farmer. Farmer and Merchant. Teacher and Farmer. Lawyer and Farmer. Farmer and Coal
Jameson, John T Jinnet, Wm. R	Republican. Republican.	Indianapolis Manilla	Marion	Miner. Attorney. Minister and At-
Johnson, David B	Republican.	Mooresville	Morgan	farmer and Apple Grower.
Johnson, E. Wm. G Johnson, John W	Republican. Republican.	Bloomington Patriot	Monroe and Brown Ripley and Switzerland	Farmer. Bank Cashier.

YEAR BOOK

MEMBERS OF THE HOUSE OF REPRESENTATIVES-CONTINUED

Members *	Politics	Address	County	Occupation
THOMBOTS .	T OH HOS	71441 688	County	Occupation
Kamman, Henry W. Kares, Charley. Kingsbury, James L. Knapp, James M. Lafuze, Oliver P. Leer, Lawrence. Lowe, Richard. Lydy, Oscar F. *McClure, John F. Malott, Noble. Mann, Earl M. †Matthews, Asa E. Miller, Floyd V. Miltenberger, Jacob D.	Republican Republican. Republican. Republican. Republican. Republican. Republican. Republican. Republican. Republican. Republican. Republican. Republican.	Evansville Evansville Indianapolis Hagerstown Liberty New Paris Crawfordsville Noblesville Anderson Tunnelton Terre Haute South Bend Elkhart Muncie	Vanderburgh. Vanderburgh. Marion Wayne. Wayne and Union. Elkhart Montgomery. Hamilton. Madison. Lawrence. Vigo. St. Joseph Elkhart Delaware.	Lawyer. Barbecuist. Editor and Publisher. Manufacturer. Farmer. Teacher. Attorney. Pastor. Lawyer and Farmer. Lawyer. Attorney. Farmer. Manager. Real Estate and Insurance.
Morgan, Ray C Myers, Earle M Nelson, Julia D Newman, Omer U Noll, Frank J., Jr. Osborn, Lee L Overmyer, Jay J Phillips, Wm. R Rich, Jacob D	Republican.	Knightstown Kingman Muncie Indianapolis Indianapolis Laporte Valparaiso Glenwood Brook	Henry. Fountain and Parke. Delaware. Marion. Marion. Laporte and Starke. Lake and Porter. Fayette and Franklin. Newton, Jasper and Benton	Farmer. Farmer. Housewife. Attorney. Attorney. Investments. Physician. Grain Dealer and Farmer.
Richardson, Charles E Ross, Nathaniel C Rowbottom, Harry E Rulo, Donald C Schurmeier, John	Republican. Republican. Republican. Republican. Republican.	Logansport Fort Wayne Evansville Fort Wayne Boonville	Cass. Allen. Vanderburgh. Allen. Vanderburgh and Warrick.	Parmer. Dry Cleaner. Chiropractor. Sales Manager. Production Manager. Farmer and Insurance Agent.
Sherwood, Elmer W Shugart, Albert E	Republican. Republican.	Linton Marion	Greene. Grant.	Student Journalist. Farmer and Dairy-
Shultz, G. Cal	Republican. Republican. Republican.	Union City Elizabeth Terre Haute	Randolph. Floyd and Harrison. Vigo.	Teacher and Farmer. Farmer. Attorney and Tele-j graph Operator.
Smith, Claude A Southard, James E Tilden, Charles L Tucker, Wayne S Waters, Elmer R	Republican. Republican. Republican. Republican. Republican.	Princeton Michigan City Huntertown Jonesboro South Bend	Gibson. Laporte. Allen. Grant. Tippecanoe.	Attorney. General Contractor. Farmer. Salesman. Farmer and Stock
Willis, Herbert C	Republican. Republican. Republican. Republican.	WaterlooAngola N. Manchester Markle	Dekalb Lagrange and Steuben Wabash. Huntington.	Raiser. Editor. Editor. Plumbing. Lumberman.

*Deceased, November 20, 1921. †Deceased, February 7, 1921.

THE GENERAL ASSEMBLY

The seventy-second session of the General Assembly convened on Thursday, January 6, and adjourned on Monday, March 7, 1921. The Senate consisted of 41 Republican and 9 Democratic members, and the House of 89 Republican and 11 Democratic members. By virtue of his office as Lieutenant-Governor, Edgar D. Bush was President of the Senate from January 6 to January 10, when Emmett F. Branch was inaugurated as Lieutenant-Governor and became ex-officio President of the Senate. Each House completed its organization on January 6. The Senate elected Oscar Ratts, of Orange county, President pro tem; Zell Swain, Principal Clerk; Katherine Smith, Assistant Clerk, and Jerome Brown, Principal Doorkeeper. Joseph Cravens was elected Democratic floor leader. The House elected John W. McClure, of Madison county, Speaker; Frank E. Wright, Principal Clerk; Arthur L. Stage, Assistant Clerk, and Everett Newlin, Chief Doorkeeper. Roscoe N. Barker, of Posey county, was chosen Democratic floor leader and Otto Fifield, of Lake county, Republican floor leader.

There were 368 bills, 23 joint resolutions and 8 concurrent resolutions introduced in the Senate and 464 bills, 1 joint resolution and 6 concurrent resolutions introduced in the House. Two hundred eighty acts, 13 joint resolutions and 6 concurrent resolutions passed.

The important laws passed include the following:

Fixing a 5 cent tax levy for Indiana and Purdue universities and the State Normal School; a pure agricultural seed law; creating a state board of agriculture and providing that the state fair grounds be turned over to the state; adopting the uniform warehouse receipts act; codifying and re-enacting the school attendance and child labor law; providing for a state budget; providing for the examination and registration of civil engineers and land surveyors; authorizing the state fire marshal to inspect and license dry cleaning and dry dyeing establishments; empowering Marion county and the city of Indianapolis to join with the state in the erection of a World War memorial; fixing the state common school tax levy at 7 cents and providing for the extension of aid to the poorer counties; accepting the terms of the Federal vocational rehabilitation act; authorizing any city to create a planning or zoning commission; providing for the classification of forest lands for the purpose of promoting the growth and development of forests; enabling cities to adopt the commission or the commission-manager plan of government; creating a state juvenile probation officer and an advisory juvenile committee to supervise the probation work of the state; amending the state prohibition law to conform with the federal law; providing readjustments in the state teachers' pension system; requiring automobile owners to secure a certificate of title or ownership to prevent theft of automobiles; providing for the establishment of the James Whitcomb Riley hospital for the care and treatment of crippled and deformed children; and providing for an extensive educational survey of the state. A law was also passed providing for the submission of 13 proposed constitutional amendments to the people on September 6, 1921. All laws other than emergency measures, became effective on May 31st at 5 o'clock, p. m.

A special one-day session of the General Assembly was held on December 14, 1921, for the purpose of providing for the removal of the Reformatory to a more central location. At this session 6 bills and 1 resolution were introduced; 2 bills and 1 resolution being passed.

YEAR BOOK

POPULATION OF INDIANA

For State, 1800-1860

Year	Free White Persons	Free Colored Persons	Slaves	Total Population
1800	4,577 23,890 145,758 339,399 678,698 977,154 1,338,710	163 393 1,230 3,629 7,165 11,262 11,428	135 · 237 190 3 3	4,875 24,520 147,178 343,031 685,866 988,416 *1,350,428

^{*}In 1860, total population included 290 Indians. Previous to 1860 Indians were of a tribal character and not neluded in census.

By Counties, 1850-1920

Counties	1920	1910	1900	1890	1880	1870	1860	1850
Total	2,930,390	2,700,876	2,516,462	2,192,404	1,978,301	1,680,637	1,350,428	988,416
Adams	20,503	21,840	22,232	20, 181	15,385	11,382	9,252	5,797
	114,303	93,386	77,270	66, 689	54,763	43,494	29,328	16,919
	23,887	24,813	24,594	23, 867	22,777	21,133	17,865	12,428
	12,206	12,688	13,123	11, 903	11,108	5,615	2,809	1,144
	14,084	15,820	17,213	10, 461	8,020	6,272	4,122	2,860
Boone Brown Carroll Cass Clark Clark	23,575	24,673	26,321	26,572	25,922	22,593	16,753	11,631
	7,019	7,975	9,727	10,308	10,264	8,681	6,507	4,846
	16,315	17,970	19,953	20,021	18,345	16,152	13,489	11,015
	38,333	36,368	34,545	31,153	27,611	24,193	16,843	11,021
	29,381	30,260	31,835	30,259	28,610	24,770	20,502	15,828
Clay	29,447	32,535	34,285	30,536	25,854	19,084	12,161	7,944
Clinton	27,737	26,674	28,202	27,370	23,472	17,330	14,505	11,869
Crawford	11,201	12,057	13,476	13,941	12,356	9,851	8,226	6,524
Daviess	26,856	27,747	29,914	26,227	21,552	16,747	13,323	10,352
Dearborn	20,033	21,396	22,194	23,364	26,671	24,116	24,406	20,166
Decatur Dekalb Delaware Dubois Elkhart.	17,813	18,793	19,518	19,277	19,779	19,053	17,294	15, 107
	25,600	25,054	25,711	24,307	20,235	17,167	13,880	8, 251
	56,377	51,414	49,624	30,131	22,926	19,030	15,753	10, 843
	19,915	19,843	20,357	20,253	15,992	12,597	10,394	6, 321
	56,384	49,008	45,052	39,201	33,454	26,026	20,986	12, 690
FayetteFloydFountainFranklinFulton.	17, 142	14,415	13,495	12,630	11,394	10,476	10,225	10,217
	30, 661	30,293	30,118	29,458	24,590	23,300	20,183	14,875
	18, 823	20,349	21,446	19,558	20,228	16,389	15,566	13,253
	14, 806	15,335	16,388	18,366	20,092	20,223	19,549	17,968
	16, 478	16,879	17,453	16,746	14,301	12,726	9,422	5,982
Gibson	29, 201	30,137	30,099	24,920	22,742	17,371	14,532	10,771
	51, 353	51,426	54,693	31,493	23,618	18,487	15,797	11,092
	36, 770	36,873	28,530	24,379	22,996	19,514	16,041	12,313
	24, 222	27,026	29,914	26,123	24,801	20,882	17,310	12,684
	17, 210	19,030	19,189	17,829	17,123	15,123	12,802	9,698
Harrison Hendricks Henry Howard Huntington	18,656	20,232	21,702	20,786	21,326	19, 913	18,521	15,286
	20,291	20,840	21,292	21,498	22,981	20, 277	16,953	14,083
	34,682	29,758	25,088	23,879	24,016	22, 986	20,119	17,605
	43,965	33,177	28,575	26,186	19,584	15, 847	12,524	6,657
	31,671	28,982	28,901	27,644	21,805	19, 036	14,867	7,850
Jackson	24,228	24,727	26,633	24,139	23,050	18,974	16,286	11,047
	13,961	13,044	14,292	11,185	9,464	6,354	4,291	3,540
	23,318	24,961	26,818	23,478	19,282	15,000	11,399	7,047
	20,709	20,483	22,913	24,507	25,977	29,741	25,036	23,916
	13,280	14,203	15,767	14,608	16,453	16,218	14,749	12,096

POPULATION OF INDIANA—Continued

Counties	1920	1910	1900	1890	1880	1870	1860	1850
Johnson	20,739	20,394	20, 223	19,561	19,537	18,366	14,854	12,101
Knox	46,195	39,183	32, 746	28,044	26,324	21,562	16,056	11,084
Kosciusko	27,120	27,936	29, 109	28,645	26,494	23,531	17,418	10,243
Lagrange	14,009	15,148	15, 284	15,615	15,630	14,148	11,366	8,387
Lake	159,957	82,864	37, 892	23,886	15,091	12,339	9,145	3,991
Laporte Lawrence Madison Marion Marshall	50,443	45,797	38,386	34,445	30, 985	27,062	22,919	12,145
	28,228	30,625	25,729	19,792	18, 543	14,628	13,692	12,097
	69,151	65,224	70,470	36,487	27, 527	22,770	16,518	12,375
	348,061	263,661	197,227	141,156	102, 782	71,939	39,855	24,103
	23,744	24,175	25,119	23,818	23, 414	20,211	12,722	5,348
Martin	11,865	12,950	14,711	13,973	13,475	11, 103	8,975	5,941
Miami	28,668	29,350	28,344	25,823	24,083	21, 052	16,851	11,304
Monroe	24,519	23,426	20,873	17,673	15,875	14, 168	12,847	11,286
Montgomery	28,490	29,296	29,388	28,025	27,316	23, 765	20,888	18,084
Morgan	20,010	21,182	20,457	18,643	18,900	17, 528	16,110	14,576
Newton	10, 144 22, 470 4, 024 16, 974 12, 760	10,504 24,009 4,329 17,192 14,053	10,448 23,533 4,724 16,854 15,149	8,803 23,359 4,955 14,678 15,040	8, 167 22, 956 5, 563 14, 363 15, 901	5,829 20,389 5,837 13,497 16,137	2,360 14,915 5,462 12,076 14,376	7, 946 5, 308 10, 809 12, 106
Parke	18,875	22,214	23,000	20, 296	19,460	18, 166	15,538	14, 968
Perry	16,692	18,078	18,778	18, 240	16,997	14, 801	11,847	7, 268
Pike	18,684	19,684	20,486	18, 544	16,383	13, 779	10,078	7, 720
Porter	20,256	20,540	19,175	18, 052	17,227	13, 942	10,313	5, 234
Posey	19,334	21,670	22,333	21, 529	20,857	19, 185	16,167	12, 549
Pulaski	12,385	13,312	14,033	11,233	9,851	7,801	5,711	2,595
	19,880	20,520	21,478	22,335	22,501	21,514	20,681	18,615
	26,484	29,013	28,653	28,085	26,435	22,862	18,997	14,725
	18,694	19,452	19,881	19,350	21,627	20,977	19,054	14,820
	19,241	19,349	20,148	19,034	19,238	17,626	16,193	16,445
St. Joseph	103,304	84,312	58,881	42,457	33,178	25,322	18,455	10,954
	7,424	8,323	8,307	7,833	8,343	7,873	7,303	5,885
	25,982	26,802	26,491	25,454	25,257	21,892	19,569	15,502
	18,400	20,676	22,407	22,060	22,122	17,998	14,556	8,616
	10,278	10,567	10,431	7,339	5,105	3,888	2,195	557
SteubenSullivanSwitzerlandTippecanoeTipton	13,360	14,274	15,219	14,478	14,645	12,854	10,374	6,104
	31,630	32,439	,26,005	21,877	20,336	18,453	15,064	10,141
	9,311	9,914	11,840	12,514	13,336	12,134	12,698	12,932
	42,813	40,063	38,659	35,078	35,966	33,515	25,726	19,377
	16,152	17,459	19,116	18,157	14,407	11,953	8,170	3,532
UnionVanderburghVermillionVigo	6,021	6,260	6,748	7,006	7,673	6,341	7,109	6,944
	92,293	77,438	71,769	59,809	42,193	33,145	20,552	11,414
	27,625	18,865	15,252	13,154	12,025	10,840	9,422	8,661
	100,212	87,930	62,035	50,195	45,658	33,549	22,517	15,289
Wabash	27,231	26,926	28,235	27,126	25,241	21,305	17,547	12,138
Warren	9,699	10,899	11,371	10,955	11,497	10,204	10,057	7,387
Warrick	19,862	21,911	22,329	21,161	20,162	17,653	13,261	8,811
Washington	16,645	17,445	19,409	18,619	18,955	18,495	17,909	17,040
Wayne	48, 136	43,757	38,970	37,628	38,613	34,048	29,558	25,320
Wells	20, 509	22,418	23,449	21,514	18,442	13,585	10,844	6,152
White	17, 351	17,602	19,138	15,671	13,795	10,554	8,258	4,761
Whitley	15, 660	16,892	17,328	17,768	16,941	14,399	10,730	5,190

COMPOSITION AND CHARACTERISTICS

Country of Birth of the Foreign-Born White, for Counties and for Cities of 10,000 or More: 1920.

	countries.	,321	8 221 6 26 26	w & 12 co co	23	2,6846	113 4 72 6
	Wales.	,106 5,	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(ww :	12 : 1	211	9 : : :
	-1711		84004	24 to 1 to	112 7 7 26	223.5.1	78827
	Switzerland.	2,334	303 274 10 10 4		- 2		
	Sweden	4,942	96 22 73 10	45.	21.0	13.234	59
	Scotland.	3,707	69 2 16 7	13112	151	32 33	01470±8
	Russia.	7,673	53633	27.	410100	16 49 	18 20 19 17
	Rumania	2,731	182	9	145	39	
	Poland.	162,7	414	55 13	73	29 62 62	000
	Netherlands.	2,018	64 64 132 132 132	13	co : c1	27.33	610000
٠	Lithuania.	,445	18	-	61		
F BIRTH	.sivsl2-ogut	4,471	63.63	14	60	10 1-	
COUNTRY OF	Italy.	6,712	226 4 1 10	331 10	36	21 21 246	120
соп	Ireland.	1,271	11 292 26 26 49 17	31 26 164 84	34 45 45 12	35 32 32	23 23 21 21
	Hungary.	9,351	6 79 1	34	30	1 1 6 6 130	20
	.90991D	4,182	404 1404 2	33.3	123	39 19 19	0 1 2 4
	Germany.	37,377	3,928 221 127 54	37 16 58 531 263	171 58 18 76 386	428 172 323 585	380 380 52 267 66
	France.	3,247	18 277 5 6 6	255	28 42 42 43 4	33 4 11 43	66 66 13 13
	England.	8,522	402 9 25 16	4 16 92 40	234 17 17 8 30 43	19 9 147 5 149	25.24.23
	Czecho- slovakia.	3,941	21 1		4 : :=10	1 16	0.4HH
	Canada.	960, 5	318 7 57 15	9 111 59 18	14 27 11 18 54	16 7 84 2 226	10 10 10
	Belgium	2,530	33.		26	28	1-10
	Austria.	9,100	143	e∞ – ₹4	27	10 10 13 2 2 2 58	11 .54
	Total foreign- born white.	150,868	7,741 7,741 335 412 270	136 45 140 1,610 518	885 179 48 246 812	594 219 959 374 2,224	261 748 283 340 172
	. COUNTY OR CITY.	COUNTIES. The state.	Adams. Allen. Bartholomew. Benton.	Brown Carroll Cass. Clark.	Clay. Clinton. Crawford. Daviess. Dekalb.	Dearborn Decatur Delaware Dubois Elkhart	Fayette Floyd Fountain Franklin Fulton

(1156)

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140	231-126	34 10 13 11	34 17 340 10	1,773 63 937 24	180 401	31 8:	2000
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104	10 10 10 10 10 10 10 10 10 10 10 10 10 1	25	1 3 17 493 13	1,381 15 54 192 172	F 8 15		5 1 596
30 242 6 6	20 3 8 8 8 8	4.25	357 27 22	401 70 29 478 9	14108	3 3 6	31 16 16
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15	130000	0.4400	34 1,662	9,479 3 132 390 16	6110		6 -71
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63 10 10		10	37 1 105	4,210 18 15 334	1-4	7001	23
12222	1 1 24 24	13: 26	32 74 3	2,189 77 73 571 571	100	F-80-1-1	4 :074
153 223 159 55 67	101 26 64 176 286	261 266 75 179 126	31 456 127 3,139 57	3,701 86 370 5,677	16 336 29 41 49	306 88 23 22	23 187 58 782 221
302	15 00 4 15 15 15 15 15 15 15 15 15 15 15 15 15	22 15 7	344 11 29 6	120 63 355 16	,ଦାନ୍ଧ୍ର ପ୍ରଦ୍ୱାନ୍ତ,	12 16	22 28 18
34 165 200 200 14	11 12 12 331 38	24 32 16 16	15 222 47 173 **8	922 45 329 1, 289	855 448 11	71 35 14 14	63 72 15 15
61.0 A	: : : : : : : : : : : : : : : : : : :	116	63	2,852 33 63 0	-# : : :	ୱର ଶ	12 20
87 10 14 1	.c. 25. 15. 15. 15. 15. 15. 15. 15. 15. 15. 1	322	20 20 192 18	910 27 127 792 34	`esg≡ge,	35.	10 140 140
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27.8	7 9 41 59	4 11 1 2 2 2	31 31 194 194	6,009 23 78 601 20	22 1	7 7 6 6 1	33
1,054 1,207 1,207 166 137	156 126 299 1,258 648	348 763 223 311 214	2,079 365 7,264 198	46,046 406 1,868 18,185 718	47. 700 227 209 128	430 594 71 88 55	300 368 106 2,243 292
Gibson Grant Greene Hamilton Hancock	Harrison Hendrieks Henry Howard Huntington	Jackson. Jasper. Jay. Jefferson. Jennings.	Johnson Knox Koseiusko Laporte	(15t Lake	Martin Miami Monroe Montgomery	Newton Noble Ohio Orange Owen	Parke Perry Pike Porter Posey

COMPOSITION AND CHARACTERISTICS

Country of Birth of the Foreign-Born White for Counties and for Cities of 10,000 or More: 1920—Continued

All other countries.

1		17- IIV					:	
		Wales.	6 9 4 1	ro	39	6 76 222	-	4070
		Switzerland.	133 333	95 11 4 4	133 522	105	32-32	26 76 17 22
		Sweden.	31	590	18 154 2	21 15 70	28	111 225 119 ·
		Scotland.	10 10 10 10 10	88	232 1 1 2 2	34 464 453	∞4 _⊕ -	18 4 6 5
		Russia.	22124	732 21 30	16	176 192 359	10	22 4 6 13
		Rumania.		8		2.84	- : :	61
	·	Poland.	36	4,493	62	38 101 127	6	33
		Netherlands.	4 :4	137 1	368	17	4.00	26
3,	H.	Lithuania.	en :	36	70	2 127 98		2
	OF BIRTH.	Jugo-Slavia.	1 2	65	113	301 22	ro	T T
	COUNTRY	Italy.	41 4 1 8	394 9 112	7 2 3	$^{1}_{1,387}$ 262	0.4	211
	00	Ireland.	21 20 30 16 51	345 1 30 3 18	17 189 34	18 77 39 366	26 11 4	. 131 19 18 12
		Hungary.	10 10 04	3,641	42	13 191 222	7 5	33
		Greece.	HH 87	120	4 22 1	22 26 55	- · · · · ·	44 7
		Germany.	302 34 88 459 38	2, 492 14 139 213 446	60 832 449 449	$\begin{smallmatrix} 11 \\ 2,279 \\ 165 \\ 1,160 \end{smallmatrix}$	200 39 192 11	595 75 223 63
		France.	82 cc 84	94	44050		10 8 9	4621-80
		England.	23 17 24 16	302 8 11 42	30 311 2 90 10	230 285 851	30 11 11 11 11	55235
		Czecho- slovakia.	25	338	0 0	65 41	4	12 3 3 5
		.ebanaO.	13 10 35 4 11	616 1 10 28	08 44 88 88	72 28 133	22 9 4 1	51 22 18
		Belgium	4 63	1,606	13 13	8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	22 1	ייסיים ו
		.sirtauA	233	643	⊣ co : 4	42 311 299	10 14 2	172
		Total foreign- born white.	572 131 232 579 127	17,174 25 276 260 1,375	139 911 72 2,115 125	45 3,361 4,027 5,676	415 126 258 42	1, 424 282 416 173
		COUNTY OR CITY.	Pulaski Putuam Randolph Ripley Rush	St. Joseph Scott. Shelby. Spencer Starke.	Steuben Sullivan Switzerland Tippecanoe Tipton	Union Vanderburgh Vermillion Vigo	Wabash. Warren. Warrick.	Wayne. Wells. White. Whitley.
				(1170)				

 (1158)

	24 6 82 1 543	47 23 209 3	936 144 13 885 5	25 20 25 25 25	268 57 74	01 444 44	214 171 10 58
	26 62 1 81	1 97 21	24 24 1 48	4 (34	41.2.81	ro → 4	123 5 10
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	26 22 248	199 7 20 86 6	485 259 6 182	28 28 26 26	26 128 138 13	2000	509 59 28 28
	16 11 362 2 87	16 31 56 3	182 74 5 445 1	34 10 29 13	201113	4 9 2 2 2 2	293 54 20
	46 124 9 837	57 6 171 231 3	1,435 765 1,309	35. 69 116 6-	62 197 53 44	84.28	642 283 30 137
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	81	100	323 56 19		718 × 10		58
	84 1 987	7 29 29	1,558 189 2 558	13	5 6	: : :-	60 14
	28 16 695 4 381	225 40 222 222 6	982 210 21 754 3	134 36 7 247	12 81 195 21	12 4 200	193 57 26 4
	100 111 239 46 169	23 72 259 15	335 182 2,414 68.	. 80 38 156 131	34 47 17 70	51 18 48 84	155 308 39 167
	11 147 2,154	105 3 12 55 3	895 450 2 313	000000	32 256 6	30	3,229 186 8. 406
	88 24 88 48 88	48 34 398 398 16	1,392 276 24 564	68 22 16	15 24 39	10 10 43	92 51 11 7
	164 13 90 21 230	370 2,103 3,282 3,282	1,629 1,629 5,097 98	142 778 579 375	1,679 330 142	259 36 270 437	1,741 939 214 143
	23 6 13 18 18 18	35 16 111 199 3	37 39 332 13	43 11 70 70	22 9 16 27	. 28 28 28	51 94 61 3
	140 26 180 18 220	99 114 220 339 11	338 203 31 1, 188	312 87 44 53	83 49 39 118	65 29 59	231 502 53 54
	8 26 715	15	674 323 58	e 04 4 c1	233	8242	101 13 6 1,017
	23 115 142	134 13 273 20	405 236 40 743 10	68 43 43 43	52 106 76	14 39 43 43	451 113 16 45
	9777	2000	. 23 . 23 . 23	2800	10 691 13	12 C1 C1	667 16 87 8
	55 3 166 1,706	36 111 121 2	2,570 1,088 54 568	20 20	113 26 12 12	15.6	585 158 13 433
	940 120 2,334 127 14,663	1,526 458 3,145 6,634 126	16,460 8,118 452 16,958	1,166 2,216 1,372 1,068	2,500 2,303 820	556 216 506 1,127	13,391 3,667 664 3,674
CITIES.	Anderson Bloomington Clinton Crawfordsville East Chicago	Elkhart Elwood Evansville Fort Wayne Frankfort	Gary Hammond Huntington Indianapolis	Kokomo LaPorte Lafayette Logansport	Marion. Michigan City. Mishawaka. Muncie.	New Albany New Castle Peru Richmond	South Bend. Terre Haute. Vincennes. Whiting.

REGISTRATION AND ELECTION IN INDIANA, 1920

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 Number Absent	Voter Ballots Used	36,586	235 410 155 166	731 58 270 270 1,045	308 693 213 680 351	576 372 476 244 328	312 458 445 126 609
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	of Precincts 1920	3,384	33 69 36 19 22 22	22 115 31 88 88	47 20 18 34 34	30 22 23 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25	22 47 16 25
Total Cost	Primary, Registra- tion and General Election	\$1 65	1 87 2 08 1 96 1 91 1 70	1 15 2 66 1 91 1 64 1 71	1 75 1 83 1 65 1 68	22 87 25 25 25 25 25 25 25 25 25 25 25 25 25	1 79 2 03 1 40 1 48 1 69
Total Cost Primary	Registra- tion and General Election	81,184,492	8,812 36,392 11,558 6,590 5,487	12,510 4,010 10,309 17,207 12,941	15,504 12,811 4,619 9,859 8,521	9,069 16,437 11,008 10,201 21,204	7,721 15,369 6,855 6,513 6,520
Total Votes Cast Primary	Registra- tion and General Election	3,015,294	19,726 97,211 29,120 14,030 14,673	30, 914 5, 600 21, 734 44, 613 32, 168	30, 204 33, 519 11, 377 28, 750 23, 567	22,943 27,031 57,947 20,077 48,517	20,002 36,032 22,570 16,658 19,333
a.	Cost per Vote	\$0 45	45 43 35 47 40	69 61 56 42 43	75 62 49 43 37	. 48 . 78 . 21 . 46 . 53	41 64 31 36
General Election	Total Cost	\$567,599	3,610 17,625 4,238 2,799 2,391	8,996 1,278 5,180 7,582 5,701	9,371 9,155 2,259 5,227 3,766	4,583 8,843 5,055 3,675 10,606	3,541 9,761 2,984 3,047 3,120
8	*Number Votes Cast	1,250,594	7,943 41,481 12,036 5,968 5,988	13,063 2,090 9,280 18,238 13,161	. 12,512 4,605 12,255 10,084	9,476 11,406 23,728 7,951 20,182	8,641 15,248 9,584 6,778 8,451
	Cost per Vote	\$0 21	25 16 17 20 20	23 23 17 22 17	212 22 22 23 23 23 24 24 25 25 25 25 25 25 25 25 25 25 25 25 25	21 25 10 10 19	21 09 17 18 18
f Voters	Total Cost	\$303,466	2,336 7,699 2,293 2,154 1,428	2,339 1,373 2,223 3,555 3,308	3,941 1,941 1,342 1,741 2,205	2, 161 3, 287 2, 958 2, 512 4, 748	2,036 1,626 1,896 1,575 1,677
Registration of Voters	Total Number of Voters Registered	1,447,366	9,342 48,303 13,581 6,586 7,178	. 13, 843 2, 614 9, 880 20, 573 15, 298	14, 674 15, 813 5, 663 13, 936 11, 216	10, 415 13, 000 28, 868 9, 554 24, 521	9,525 17,712 10,838 7,570 9,390
Re	Number of Women	599, 303	4, 146 21, 501 6, 405 2, 844 3, 323	6,672 1,000 4,752 7,275	6,768 7,458 2,604 6,651 5,210	4,977 5,500 4,416 10,618	4,305 8,838 5,088 3,405 4,500
	Number of Men	718,753	5,196 26,802 7,176 3,318 3,855	7,171 1,614 5,128 †	7,906 8,355 3,059 7,285 6,006	5,438 7,500 † 5,138 13,279	5,220 8,874 5,750 4,165 4,890
ns	Cost per Vote	80 99	71 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	29 1 52 1 13 1 05 1 06	73 1 13 1 12 1 12	1 64 1 56 1 56 1 53	. 1 17 . 1 30 . 92 . 82 1 15
Primary Elections	Total Cost	\$313,427	2,866 11,068 5,027 1,637 1,668	1,175 1,359 2,906 6,070 3,932	2, 192 1, 715 1, 018 2, 891 2, 550	2, 325 4, 307 2, 995 5, 850	2,144 3,982 1,975 1,891 **1,723
Pri	*Number Votes Cast	317,334	2,441 7,427 3,503 1,476 1,512	4,008 896 2,574 5,802 3,709	3,018 3,022 1,109 2,559 2,267	3,052 2,625 5,351 2,572 3,814	1,836 3,072 2,148 2,310 1,492
	Counties	State Total	Adams Allen. Bartholomew. Benton. Blackford.	Boone. Brown. Carroll Cass. Clark.	Clay. Clinton. Crawford Daviess. Dearborn	Decatur Dekalb Delaware Dubois Elkhart	Fayette. Floyd Fountain Franklin Fulton

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807 367 422	331 570 665 360 553	289 101 432 543 279	677 517 541 134 175	227 300 886 3,024 284	328 200 524 813 325	151 305 139 327 290	300 300 179 166 1. 410	
36 67 51 39	30 31 44 61 44	22 22 23 23 25	14 522 43 25 99	60 33 50 1 77 1 34	02488	36.7	0899888	
1 41 2 24 1 48 1 21 1 94	1 84 1 39 1 17 1 68 1 54	1 41 1 66 1 86 1 74 1 83	84 1 74 1 37 1 60 2 37	2 1 1 2 2 1 3 1 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 11 13 13 13 13 13 13 13 13 13 13 13 13	1 40 1 64 1 64 1 64 1 43	1 67 1 67 1 67 1 67 1 67 1 67 1 67 1 67	
11, 138 29, 980 9, 538 10, 213 10, 972	10, 164 9, 383 12, 688 16, 211 12, 617	9, 290 6, 169 11, 353 9, 850 6, 917	6, 138 18, 734 13, 413 5, 685 69, 989	22, 017 8, 333 18, 188 100, 994 10, 241	5, 275 13, 072 8, 565 10, 946 10, 131	4,595 11,568 2,565 7,738 6,112	10, 669 6, 401 6, 814 10, 171 9, 933	
33, 954 54, 335 35, 274 29, 871 23, 075	20, 908 25, 293 36, 122 42, 459 35, 242	25,800 14,335 26,419 23,277 14,866	25, 935 44, 790 31, 533 13, 753 99, 285	41,560 27,965 74,122 345,478 24,824	12,080 33,325 25,335 36,411 24,276	11, 633 25, 623 5, 529 18, 788 14, 860	21, 487 17, 748 19, 006 19, 115 23, 164	
33 24 44 49	59 51 37 38 40	46 53 54	31 55 24 47 1 11	67 29 24 30 47	42333452	36 42 74 62 49	41 38 59 53	
4, 785 15, 185 3, 514 5, 528 4, 675	4, 863 5, 358 6, 648 6, 648	4,128 2,687 4,666 3,202 3,298	3,338 10,683 3,225 3,225 42,226	11,352 3,386 7,677 43,936 4,922	2,680 6,253 3,407 5,243 4,256	1,739 4,602 1,719 4,951 2,947	6,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0	
14, 434 22, 116 14, 816 12, 625 9, 484	8,174 10,560 15,197 17,547 14,938	10, 393 5, 784 11, 303 9, 811 6,056	10,606 19,254 13,369 5,611 37,922	16,947 11,566 31,535 145,264 10,534	5, 198 14, 017 10, 375 16, 082 10, 212	4,862 11,085 2,305 7,925 6,003	8,717 7,374 7,705 7,410 9,548	
21 129 119 27	25 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	21 26 130 23 23	12 24 24 29	25 12 17 20	18 22 20 32 32	31 11 14 25	38 222 117 231	
3,356 7,739 2,078 2,650 2,919	**2,615 1,670 5,484 4,898 3,294	2,601 1,709 3,776 2,116 1,613	1,379 4,528 8,243 1,525 13,456	4,930 2,796 4,068 29,534 2,396	1,035 2,459 3,425 3,497	1,668 3,716 265 1,313 1,715	1,779 1,758 2,758 2,206	
16,087 26,635 16,948 13,731 10,720	10,028 11,510 17,712 20,495 16,660	12, 200 6, 664 12; 576 10, 982 6, 926	11,821 21,954 14,772 6,393 46,564	19,868 13,619 35,197 170,533 11,903	5,775 15,720 11,726 17,463 11,040	5,138 12,247 2,484 9,108 6,769	9, 935 8, 425 9, 342 8, 957 10, 734	
7,779 12,023 7,594 5,887 5,152	4,764 5,564 8,304 9,138 7,814	5,703 2,954 5,865 3,188	5,665 10,156 2,898 16,760	8,170 6,145 16,084 76,311 5,326	2,649 7,273 4,945 8,534 5,099	2,426 5,661 1,161 4,208 3,120	4, 646 4, 053 4, 249 3, 785 5, 129	
8,308 14,612 9,254 7,844 5,568	, 5,264 5,946 9,408 11,357 8,846	6,502 3,702 6,711 5,650 3,738	6,156 11,798 †************************************	11,698 7,474 19,113 94,222 6,457	3,126 8,447 6,781 8,929 5,941	2,905 6,586 1,323 4,900 3,649	5, 289 4, 372 5, 093 5, 122 5, 605	
87 1 26 1 12 58 1 18	99 73 1 06 94	80 1 15 1 02 1 06	. 98 . 98 57 89 89	1 21 77 87 93 1 23	1 41 96 83 78 79	73 1 42 79 84 69	1 17 88 1 00 1 12 93	
2,997 7,056 3,946 2,035 3,378	**2, 686 2, 355 1, 589 4, 665 3, 414	2,561 1,773 2,911 2,532 2,006	1, 421 3, 523 1, 945 1, 549 14, 307	5, 735 2, 151 6, 443 27, 524 2, 923	1,560 3,441 2,699 2,278 2,378	1,188 3,250 581 1,474 1,450	3,334 1,721 1,954 3,074 2,679	ornor
3,433 5,584 3,510 3,515 2,871	2,706 3,223 3,213 4,417 3,644	3,207 1,887 2,540 2,484 1,884	3,508 3,582 3,392 1,749 14,799	4,745 2,780 7,390 29,681 2,387	1,107 3,588 3,234 2,866 3,024	1, 633 2, 291 740 1, 755 2, 088	2,835 1,949 1,959 2,748 2,882	no for Gor
Gibson. Grant Greene. Hamilton. Hancock.	Harrison. Hendricks. Henry. Howard.	Jackson. Jasper. Jay Jefferson. Jefferson.	Johnson Knox Kosciusko Lagrange Lake.	Laporte Madison Marion	Martin. Miami. Monroe. Montgomery. Morgan.	Newton Noble Ohio Orange	Parke Perry Pike Porter	*For condidate

*For candidates for Governor. fSeparate registration for men and women not obtainable. **Estimated.

REGISTRATION AND ELECTION IN INDIANA, 1920—Continued

Number	Voter Ballots Used	192 693 461 349 618	168 332 634 129 165	284 290 221 395 193	228 784 167 1,091	508	443 290 259 365
Mumbon	of of Precincts 1920	. 113 44 44 30 31	13 52 18 19 26	1 16 40 18 38 38 26	11 88 84 84	3128	98 23 24 24
Total Cost	Primary, Registra- tion and General Election	1 83 1 39 1 24 1 38 1 51	2 5 5 2 1 4 4 4 1 8 4 4 1 0 7 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	1 35 1 96 1 25 1 35 1 35	1 66 1 19 1 69 2 52	1 21 1 99 1 22 1 62	1 76 1 60 2 77 1 47
Total Cost	Registra- tion and General Election	4,773 9,847 11,139 8,519 9,998	39,839 3,715 13,603 6,516 5,965	6,329 10,985 5,228 16,202 7,781	2,524 21,288 7,466 50,321	10,930 5,251 7,149 7,625	19,598 10,138 11,506 7,460
Total Votes Cast	Registra- tion and General Election	11, 905 25, 998 32, 114 22, 656 25, 412	76,233 9,184 31,928 22,522 10,445	16, 545 30, 537 12, 219 48, 205 20, 208	7,802 92,788 22,416 92,544	32,577 10,980 22,116 19,892	49,350 22,436 19,247 19,864
	Cost per Vote	44 47 47	53 50 40 70	56 35 69 40 57	31 28 37 60	84 48 44 44	44 42 47 47
General Election	Total Cost	2, 285 5, 114 6, 228 4, 289 5, 067	16,308 1,778 5,434 3,691 2,946	3,830 4,399 3,431 8,208 4,808	1,029 10,189 3,376 21,808	5, 181 2, 514 4, 270 3, 422	9,080 3,948 4,261 4,058
Gener	*Number Votes Cast	5,072 10,672 13,268 9,369 10,737	30, 737 3, 558 13, 374 9, 246 4, 191	6, 785 12, 740 4, 977 20, 629 8, 413	3,363 36,889 9,076 36,528	13,180 4,619 8,919 7,819	21,006 9,167 8,213 8,555
	Cost per Vote	21 18 17 20 20	22 23 24 25 25	14 16 21 19 16	312	13 20 20	. 22 . 37 40 19
oters	Total Cost	1, 227 2, 070 2, 578 2, 051 2, 260	11, 703 956 3, 478 1, 192 1, 063	1,057 2,404 1,148 4,309 1,454	530 5,473 1,743 14,671	2,748 1,195 1,406 1,946	5,214 3,856 3,614 1,736
Registration of Voters	Total Number of Voters Registered	5, 758 11, 670 14, 948 10, 278 11, 484	38, 477 4, 240 14, 627 10, 271 4, 866	7,547 14,903 5,411 22,747 9,154	3,633 48,825 11,339 47,425	14, 612 5, 101 10, 800 9, 768	23,547 10,345 9,072 9,264
Regi	Number of Women	2,523 5,595 7,060 4,735 5,679	15, 333 2, 010 6, 922 4, 871 2, 098	6, 682 2, 560 10, 763	1,720 23,638 4,731	6,652 2,265 5,041 4,658	10,742 4,678 4,168 4,409
	Number of Men	3,235 6,075 7,888 5,543 5,917	23, 144 2, 230 7, 705 5, 397 2, 768	8,171 2,851 11,984 †	1,913 25,185 6,608	7,960 2,836 5,759 5,110	12,805 5,667 4,904 4,855
ns	Cost per Vote	1 17 73 60 72 84	1 69 71 1 19 54 1 41	1 45 1 35 76 • 58	1 20 80 1 17 1 61	1 22 1 22 61 98	1 11 80 1 85 81
Primary Elections	Total Cost	**1,261 2,663 2,333 2,179 2,179 2,671	**981 4, 691 1, 633 1, 956	1,442 4,182 649 3,685 1,519	**5, 626 2,347 13,842	3,001 1,542 1,473 2,257	5,304 2,334 3,631 1,666
Prii	*Number Votes Cast	1,075 3,656 3,898 3,009 3,191	7,019 1,386 3,927 3,005 1,388	2, 213 2, 894 1, 831 4, 829 2, 641	806 7,074 2,001 8,591	4,785 1,260 2,397 2,305	4,797 2,924 1,962 2,045
,	Counties	Pulaski. Putnam. Randolph. Ripley. Rush.	St. Joseph. Scott. Shelby. Spencer. Starke.	Steuben. Sullivan. Switzerland. Tippecanoe.	Union Vanderburgh Vermillion Vigo.	Wabash Warren Warriek	Wayne Wells. White.

*For candidates for Governor.

*Reparate registration for men and wnmen not obtainable. **Estimated.

COUNTIES USING VOTING MACHINES

Allen Miamie Boone Montgomery Clinton Newton Delaware Pulacki Fountain Spencer Fulton St. Joseph Henry Tippecanoe Johnson Vanderburgh Lake Vigo Madison Warrick Marion

CONSTITUTION OF INDIANA, 1851*

PREAMBLE

To the end that justice be established, public order maintained, and liberty perpetuated:

We, the people of the State of Indiana, grateful to Almighty God for the free exercise of the right to choose our own form of government, do ordain this Constitution:

ARTICLE I

BILL OF RIGHTS

Section 1. We declare that all men are created equal; that they are endowed by their Creator with certain unalienable rights; that among these are life, liberty, and the pursuit of happiness; that all power is inherent in the people; and that all free governments are, and of right ought to be, founded on their authority, and instituted for their peace, safety, and well-being. For the advancement of these ends the people have at all times an indefeasible right to alter and reform their government.

Sec. 2. All men shall be secured in the natural right to worship Almighty God according to the dictates of their own consciences.

Sec. 3. No law shall, in any case, whatever, control the free exercise and enjoyment of religious opinions, or interfere with the rights of conscience.

Sec. 4. No preference shall be given, by law, to any creed, religious society or mode of worship; and no man shall be compelled to attend, erect or support any place of worship, or to maintain any ministry against his consent.

Sec. 5. No religious test shall be required as a qualification for any office of trust or profit.

Sec. 6. No money shall be drawn from the treasury for the benefit of any religious or theological institution.

Sec. 7. No person shall be rendered incompetent as a witness, in consequence of his opinion on matters of religion.

Sec. 8. The mode of administering an oath or affirmation shall be such as may be most consistent with, and binding upon, the conscience of the person to whom such oath or affirmation may be administered.

Sec. 9. No law shall be passed restraining the free interchange of thought and opinion, or restricting the right to speak, write, or print, freely, on any subject whatever; but for the abuse of that right every person shall be responsible.

Sec. 10. In all prosecutions for libel, the truth of the matters alleged to be libelous may be given in justification.

^{*}The Constitution of Indiana was drafted by a convention which assembled at Indianapolis on October 7, 1850, and adjourned on February 10, 1851. The electors were afforded the opportunity of voting on the ratification or rejection of the Constitution as a whole and on Article XIII relative to negroes and mulattoes. At the election held on August 4, 1851, the Constitution as a whole was ratified by a vote of 82,564 to 26,755, and Article XIII was ratified by a vote of 88,910 to 21,066, The Constitution became effective on November 1, 1851.

Sec. 11. The right of the people to be secure in their persons, houses, papers and effects, against unreasonable search or seizure shall not be violated, and no warrant shall issue, but upon probable causes supported by oath or affirmation, and particularly describing the place to be searched, and the person or thing to be seized.

Sec. 12. All courts shall be open; and every man, for injury done to him, in his person, property or reputation, shall have remedy by due course of law. Justice shall be administered freely and without purchase; completely, and without denial; speedily, and without delay.

- Sec. 13. In all criminal prosecutions the accused shall have the right to a public trial, by an impartial jury in the county in which the offense shall have been committed; to be heard by himself and counsel; to demand the nature and cause of the accusation against him, and to have a copy thereof; to meet the witnesses face to face, and to have compulsory process for obtaining witnesses in his favor.
- Sec. 14. No person shall be put in jeopardy twice for the same offense. No person, in any criminal prosecution, shall be compelled to testify against himself.
- Sec. 15. No person, arrested or confined in jail, shall be treated with unnecessary rigor.
- Sec. 16. Excessive bail shall not be required. Excessive fines shall not be imposed. Cruel and unusual punishment shall not be inflicted. All penalties shall be proportioned to the nature of the offense.
- Sec. 17. Offenses, other than murder or treason, shall be bailable by sufficient sureties. Murder or treason shall not be bailable when the proof is evident, or the presumption strong.
- Sec. 18. The penal code shall be founded on the principles of reformation, and not of vindictive justice.
- Sec. 19. In all criminal cases whatever, the jury shall have the right to determine the law and the facts,
 - Sec. 20. In all civil cases the right of trial by jury shall remain inviolate.
- Sec. 21. No man's particular services shall be demanded without just compensation. No man's property shall be taken by law without just compensation; nor, except in case of the state, without such compensation first assessed and tendered.
- Sec. 22. The privilege of the debtor to enjoy the necessary comforts of life, shall be recognized by wholesome laws, exempting a reasonable amount of property from seizure or sale for the payment of any debt or liability hereafter contracted; and there shall be no imprisonment for debt, except in case of fraud.
- Sec. 23. The General Assembly shall not grant to any citizen, or class of citizens, privileges or immunities which, upon the same terms, shall not equally belong to all citizens.
- Sec. 24. No ex post facto law, or law impairing the obligation of contract, shall ever be passed.
- Sec. 25. No law shall be passed, the taking effect of which shall be made to depend upon any authority, except as provided in this Constitution.
- Sec. 26. The operation of the laws shall never be suspended except by the authority of the General Assembly.
- Sec. 27. The privilege of the writ of habeas corpus shall not be suspended, except in case of rebellion or invasion, and then only if the public safety demand it.
- Sec. 28. Treason against the state shall consist only in levying war against it, and giving aid and comfort to its enemies.
- Sec. 29. No person shall be convicted of treason, except on the testimony of two witnesses to the same overt act, or upon his confession in open court.
 - Sec. 30. No conviction shall work corruption of blood or forfeiture of estate.
- Sec. 31. No law shall restrain any of the inhabitants of the state from assembling together, in a peaceful manner, to consult for their common good; nor from instructing their representatives; nor from applying to the General Assembly for redress of grievances.
- Sec. 32. The people shall have a right to bear arms for the defense of themselves and the state.
 - Sec. 33. The military shall be kept in strict subordination to the civil power.
- Sec. 34. No soldier shall, in time of peace, be quartered in any house without the consent of the owner; nor in time of war but in a manner to be prescribed by law.

Sec. 35. The General Assembly shall not grant any title of nobility, nor confer hereditary distinctions.

Sec. 36. Emigration from the state shall not be prohibited.

Sec. 37. There shall be neither slavery nor involuntary servitude, within the state, otherwise than for the punishment of crimes whereof the party shall have been duly convicted. No indenture of any negro or mulatto, made and executed out of the bounds of the state, shall be valid within the state.

ARTICLE II

SUFFRAGE AND ELECTION

Section 1. All elections shall be free and equal.

Sec. 2. In all elections not otherwise provided for by this Constitution, every citizen of the United States, of the age of twenty-one years and upwards, who shall have resided in the state during the six months, and in the township sixty days, and in the ward or precinct thirty days immediately preceding such election, shall be entitled to vote in the township or precinct where he or she may reside.¹

Sec. 3. No soldier, seaman or marine, in the army or navy of the United States, or their allies, shall be deemed to have acquired a residence in the state in consequence of having been stationed within the same; nor shall any such soldier, seaman or marine, have the right to vote.

Sec. 4. No person shall be deemed to have lost his residence in the state by reason of his absence either on business of this state or of the United States.

Sec. 5. [Stricken out by constitutional amendment of March 24, 1881.]2

Sec. 6. Every person shall be disqualified from holding office during the term for which he may have been elected, who shall have given or offered a bribe, threat or reward to procure his election.

Sec. 7. Every person who shall give or accept a challenge to fight a duel, or who shall knowingly carry to another person such challenge, or who shall agree to go out of the state to fight a duel, shall be ineligible to any office of trust or profit.

Sec. 8. The General Assembly shall have power to deprive of the right of suffrage, and to render ineligible any person convicted of an infamous crime.

Sec. 9. No person holding a lucrative office or appointment, under the United States, or under this state, shall be eligible to a seat in the General Assembly; nor shall any person hold more than one lucrative office at the same time, except as in this Constitution expressly permitted: *Provided*, That offices in the militia, to which there is attached no annual salary, and the office of Deputy Postmaster, where the compensation does not exceed ninety dollars per annum, shall not be deemed lucrative; And, provided, also, That counties containing less than one thousand polls may confer the office of Clerk, Recorder and Auditor, or any two of said offices upon the same person.

Sec. 10. No person who may hereafter be a collector or holder of public moneys, shall be eligible to any office of trust or profit until he shall have accounted for and paid over, according to law, all sums for which he may be liable.

Sec. 11. In all cases in which it is provided that an office shall not be filled by the same person more than a certain number of years continuously, an appointment protempore shall not be reckoned a part of that term.

Sec. 12. In all cases, except treason, felony and breach of the peace, electors shall be free from arrest in going to elections, during their attendance there, and in returning from the same.

¹This section has been amended twice. The first amendment was proposed by the General Assembly of 1877; readopted by the General Assembly of 1879; voted on at the election of April 5, 1880; held not adopted in State v. Swift, May, 1880, for want of an affirmative majority of the vote cast at the election; resubmitted on March 14, 1881, and declared adopted on March 24, 1881. The second and present amendment was proposed by the General Assembly of 1919; readopted by the General Assembly of 1921; voted on and adopted at a special election on September 6, 1921.

² Proposed by the General Assembly of 1877; readopted by the General Assembly of 1879; voted on at the election of April 5, 1880; held not adopted in State v. Swift, May, 1880, for want of an affirmative majority of the vote cast at the election; resubmitted on March 14, 1881, and declared adopted on March 24, 1881. Amendments were made at the same time and in the same manner to Article II, Section 14; Article IV. Sections 4, 5 and 22; Article VII, Section 1; Article X, Section 7, and Article XIII,

Sec. 13. All elections by the people shall be by ballot; and all elections by the General Assembly, or by either branch thereof, shall be viva voce.

Sec. 14. All general elections shall be held on the first Tuesday after the first Monday in November; but township elections may be held at such time as may be provided by law: *Provided*, That the General Assembly may provide by law for the election of all judges of courts of general or appellate jurisdiction, by an election to be held for such officers only, at which time no other officer shall be voted for; and shall also provide for the registration of all persons entitled to vote.³

ARTICLE III

DISTRIBUTION OF POWERS

Section 1. The powers of the government are divided into three separate departments: The Legislative, the Executive (including the Administrative) and the Judicial; and no person charged with official duties under one of these departments shall exercise any of the functions of another except as in this Constitution expressly provided.

ARTICLE IV

LEGISLATIVE

Section 1. The legislative authority of the state shall be vested in a General Assembly, which shall consist of a Senate and House of Representatives. The style of every law shall be, "Be it enacted by the General Assembly of the State of Indiana"; and no law shall be enacted except by bill.

Sec. 2. The Senate shall not exceed fifty, nor the House of Representatives one hundred members; and they shall be chosen by the electors of the respective counties or districts into which the state may, from time to time, be divided.

Sec. 3. Senators shall be elected for the term of four years, and Representatives for the term of two years, from the day next after their general election: *Provided, however*, That the Senators elect, at the second meeting of the General Assembly under this Constitution, shall be divided, by lot, into two equal classes, as nearly as may be; and the seats of Senators of the first class shall be vacated at the expiration of two years and those of the second class at the expiration of four years; so that one-half, as nearly as possible, shall be chosen biennially forever thereafter. And in case of increase in the number of Senators, they shall be so annexed by lot, to one or the other of the two classes, as to keep them as nearly equal as practicable.

Sec. 4. The General Assembly shall, at its second session after the adoption of this Constitution, and every sixth year thereafter, cause an enumeration to be made of all the male inhabitants over the age of twenty-one years.⁴

Sec. 5. The number of Senators and Representatives shall, at the session next following each period of making such enumeration, be fixed by law, and apportioned among the several counties, according to the number of male inhabitants, above twenty-one years of age, in each: Provided, That the first and second elections of members of the General Assembly, under this Constitution, shall be according to the apportionment last made by the General Assembly before the adoption of this Constitution.

Sec. 6. A Senatorial or Representative district, where more than one county shall constitute a district, shall be composed of contiguous counties; and no county, for Senatorial apportionment, shall ever be divided.

Sec. 7. No person shall be a Senator or a Representative who, at the time of his election, is not a citizen of the United States; nor any one who has not been, for two years next preceding his election, an inhabitant of this state, and for one year next preceding his election, an inhabitant of the county or district whence he may be chosen. Senators shall be at least twenty-five, and Representatives at least twenty-one years of age.

Sec. 8. Senators and Representatives in all cases except treason, felony and breach of the peace, shall be privileged from arrest during the session of the General Assembly,

³ See Note 2.

⁴ See Note 2.

⁵ See Note 2.

and in going to and returning from the same; and shall not be subject to any civil process during the session of the General Assembly, nor during the fifteen days next before the commencement thereof. For any speech or debate in either house, a member shall not be questioned in any other place.

Sec. 9. The sessions of the General Assembly shall be held biennially at the capital of the state, commencing on the Thursday next after the first Monday of January, in the year one thousand eight hundred and fifty-three, and on the same day of every second year thereafter, unless a different day or place shall have been appointed by law. But if, in the opinion of the Governor, the public welfare shall require it, he may, at any time, by proclamation, call a special session.

Sec. 10. Each house, when assembled, shall choose its own officers (the President of the Senate excepted), judge the elections, qualifications and returns of its own members, determine its rules of proceeding and sit upon its own adjournment. But neither house shall, without the consent of the other, adjourn for more than three days, nor to any place other than that in which it may be sitting.

Sec. 11. Two-thirds of each house shall constitute a quorum to do business; but a smaller number may meet, adjourn from day to day, and compel the attendance of absent members. A quorum being in attendance, if either house fail to effect an organization within the first five days thereafter, the members of the house so failing shall be entitled to no compensation from the end of the said five days, until an organization shall have been effected.

Sec. 12. Each house shall keep a journal of its proceedings, and publish the same. The yeas and nays, on any question, shall, at the request of any two members, be entered, together with the names of the members demanding the same, on the journal: Provided, That on motion to adjourn, it shall require one-tenth of the members present to order the yeas and nays.

Sec. 13. The doors of each house, and of committees of the whole, shall be kept open, except in such cases as, in the opinion of either house, may require secrecy.

Sec. 14. Either house may punish its members for disorderly behavior, and may, with the concurrence of two-thirds, expel a member; but not a second time for the same cause.

Sec. 15. Either house, during its session, may punish, by imprisonment, any person not a member, who shall have been guilty of disrespect to the house, by disorderly or contemptuous behavior in its presence; but such imprisonment shall not, at any one time, exceed twenty-four hours.

Sec. 16. Each house shall have all powers necessary for a branch of the legislative department of a free and independent state.

Sec. 17. Bills may originate in either house, but may be amended or rejected in the other, except that bills for raising revenues shall originate in the House of Representatives.

Sec. 18. Every bill shall be read by sections, on three several days in each house; unless, in case of an emergency, two-thirds of the house where such bill may be depending shall, by vote of yeas and nays, deem it expedient to dispense with this rule; but the reading of a bill by sections, on its final passage, shall in no case be dispensed with; and the vote on the passage of every bill or joint resolution shall be taken by yeas and nays.

Sec. 19. Every act shall embrace but one subject, and matters properly connected therewith; which subject shall be expressed in the title. But if any subject shall be embraced in an act, which shall not be expressed in the title, such act shall be void only as to so much thereof as shall not be expressed in the title.

Sec. 20. Every act and joint resolution shall be plainly worded, avoiding, as far as practicable, the use of technical terms.

Sec. 21. No act shall ever be revised or amended by mere reference to its title; but the act revised, or section amended, shall be set forth and published at full length.

Sec. 22. The General Assembly shall not pass local or special laws in any of the following enumerated cases, that is to say:

Regulating the jurisdiction and duties of justices of the peace and of constables;

For the punishment of crimes and misdemeanors;

Regulating the practice in courts of justice;

Providing for changing the venue in civil and criminal cases;

Granting divorces;

Changing the names of persons;

For laying out, opening and working on, highways, and for the election or appointment of supervisors;

Vacating roads, town plats, streets, alleys and public squares;

Summoning and empaneling grand and petit juries, and providing for their compensation;

Regulating county and township business;

Regulating the election of county and township officers, and their compensation;

For the assessment and collection of taxes for state, county, township or road purposes;

Providing for supporting common schools, and for the preservation of school funds; In relation to fees or salaries; except that the laws may be so made as to grade the

In relation to fees or salaries; except that the laws may be so made as to grade the compensation of officers in proportion to the population and the necessary services required; ^v

In relation to interest on money;

Providing for opening and conducting elections of state, county or township officers, and designating the places of voting;

Providing for the sale of real estate belonging to minors, or other persons laboring under legal disabilities, by executors, administrators, guardians or trustees.

Sec. 23. In all the cases enumerated in the preceding section, and in all other cases where a general law can be made applicable, all laws shall be general and of uniform operation throughout the state.

Sec. 24. Provisions may be made by general law, for bringing suit against the state, as to all liabilities originating after the adoption of this Constitution; but no special act authorizing such suit to be brought, or making compensation to any person claiming damages against the state, shall ever be passed.

Sec. 25. A majority of all the members elected to each house shall be necessary to pass every bill or joint resolution; and all bills and joint resolutions so passed shall be signed by the presiding officers of the respective houses.

Sec. 26. Any member of either house shall have the right to protest, and to have his protest, with his reasons for dissent, entered on the journal.

Sec. 27. Every statute shall be a public law, unless otherwise declared in the statute

Sec. 28. No act shall take effect until the same shall have been published and circulated in the several counties of this state, by authority, except in case of emergency; which emergency shall be declared in the preamble or in the body of the law.

Sec. 29. The members of the General Assembly shall receive for their services a compensation, to be fixed by law; but no increase of compensation shall take effect during the session at which such increase may be made. No session of the General Assembly, except the first under this Constitution, shall extend beyond the term of sixty-one days, nor any special session beyond the term of forty days.

Sec. 30. No Senator or Representative shall, during the term for which he may have been elected, be eligible to any office, the election to which is vested in the General Assembly, nor shall he be appointed to any civil office of profit, which shall have been created, or the emoluments of which shall have been increased, during such term; but this latter provision shall not be construed to apply to any office elective by the people.

ARTICLE V

EXECUTIVE

Section 1. The executive power of the state shall be vested in a Governor. He shall hold his office during four years, and shall not be eligible more than four years in any period of eight years.

Sec. 2. There shall be a Lieutenant-Governor, who shall hold his office during four years.

Sec. 3. The Governor and Lieutenant-Governor shall be elected at the times and places of choosing members of the General Assembly.

Sec. 4. In voting for Governor and Lieutenant-Governor the electors shall designate for whom they vote as Governor, and for whom as Lieutenant-Governor. The returns of every election for Governor and Lieutenant-Governor shall be sealed up and trans-

⁶ See Note 2.

mitted to the seat of government, directed to the Speaker of the House of Representatives, who shall open and publish them in the presence of both houses of the General Assembly.

Sec. 5. The persons, respectively, having the highest number of votes for Governor and Lieutenant-Governor shall be elected; but in case two or more persons shall have an equal and the highest number of votes for either office, the General Assembly shall, by joint vote, forthwith proceed to elect one of the said persons Governor or Lieutenant-Governor, as the case may be.

Sec. 6. Contested elections for Governor or Lieutenant-Governor shall be determined by the General Assembly, in such manner as may be prescribed by law.

Sec. 7. No person shall be eligible to the office of Governor or Lieutenant-Governor who shall not have been five years a citizen of the United States, and also a resident of the State of Indiana during the five years next preceding his election; nor shall any person be eligible to either of the said offices who shall not have attained the age of thirty years.

Sec. 8. No member of Congress, or person holding any office under the United States, or under this state, shall fill the office of Governor or Lieutenant-Governor.

Sec. 9. The official term of the Governor or Lieutenant-Governor shall commence on the second Monday of January, in the year one thousand eight hundred and fifty-three; and on the same day every fourth year thereafter.

Sec. 10. In case of the removal of the Governor from office, or of his death, resignation or inability to discharge the duties of the office, the same shall devolve on the Lieutenant-Governor; and the General Assembly shall, by law, provide for the case of removal from office, death, resignation, or inability both of the Governor and Lieutenant-Governor, declaring what officer then shall act as Governor; and such officer shall act accordingly until the disability be removed or a Governor be elected.

Sec. 11. Whenever the Lieutenant-Governor shall act as Governor, or shall be unable to attend as President of the Senate, the Senate shall elect one of its own members as President for the occasion.

Sec. 12. The Governor shall be commander-in-chief of the military and naval forces, and may call out such forces to execute the laws, or to suppress insurrection, or to repel invasion.

Sec. 13. He shall, from time to time, give to the General Assembly information touching the condition of the state, and recommend such measures as he shall judge to be expedient.

Sec. 14. Every bill which shall have passed the General Assembly shall be presented to the Governor; if he approve, he shall sign it, but if not, he shall return it, with his objections, to the house in which it shall have originated, which house shall enter the objections at large upon its journals, and proceed to reconsider the bill. If, after such reconsideration, a majority of all the members elected to that house shall agree to pass the bill, it shall be sent, with the Governor's objections, to the other house, by which it shall likewise be reconsidered, and, if approved by a majority of all the members elected to that house, it shall be a law. If any bill shall not be returned by the Governor within three days, Sundays excepted, after it shall have been presented to him, it shall be a law without his signature, unless the general adjournment shall prevent its return, in which case it shall be a law, unless the Governor, within five days next after such adjournment, shall file such bill, with his objections thereto in the office of the Secretary of State, who shall lay the same before the General Assembly at its next session in like manner as if it had been returned by the Governor. But no bill shall be presented to the Governor within two days next previous to the final adjournment of the General Assembly.

Sec. 15. The Governor shall transact all necessary business with the officers of government, and may require information in writing from the officers of the administrative department, upon any subject relating to the duties of their respective offices.

Sec. 16. He shall take care that the laws be faithfully executed.

Sec. 17. He shall have the power to grant reprieves, commutations and pardons, after conviction, for all offenses except treason and cases of impeachment, subject to such regulations as may be provided by law. Upon conviction for treason, he shall have power to suspend the execution of the sentence until the case shall be reported to the General Assembly at its next meeting, when the General Assembly shall either grant a pardon, commute the sentence, direct the execution of the sentence, or grant

a further reprieve. He shall have power to remit fines and forfeitures, under such regulations as may be prescribed by law, and shall report to the General Assembly at its next meeting each case of reprieve, commutation, or pardon granted, and also the names of all persons in whose favor remission of fines and forfeitures shall have been made, and the several amounts remitted: *Provided, however*. That the General Assembly may, by law, constitute a council, to be composed of officers of state, without whose advice and consent the Governor shall not have power to grant pardons, in any case, except such as may, by law, be left to his sole power.

Sec. 18. When, during a recess of the General Assembly, a vacancy shall happen in any office, the appointment to which is vested in the General Assembly, or when, at any time, a vacancy shall have occurred in any other state office, or in the office of judge of any court, the Governor shall fill such vacancy by appointment, which shall expire when a successor shall have been elected and qualified.

Sec. 19. He shall issue writs of election to fill such vacancies as may have occurred in the General Assembly.

Sec. 20. Should the seat of government become dangerous from disease or a common enemy, he may convene the General Assembly at any other place.

Sec. 21. The Lieutenant-Governor shall, by virtue of his office, be President of the Senate; have a right, when in Committee of the Whole, to join in debate, and to vote on all subjects, and, whenever the Senate shall be equally divided, he shall give the casting vote.

Sec. 22. The Governor shall, at stated times, receive for his services a compensation which shall neither be increased nor diminished during the term for which he shall have been elected.

Sec. 23. The Lieutenant-Governor, while he shall act as President of the Senate, shall receive for his services the same compensation as the Speaker of the House of Representatives; and any person acting as Governor shall receive the compensation attached to the office of Governor.

Sec. 24. Neither the Governor nor Lieutenant-Governor shall be eligible to any other office during the term for which he shall have been elected.

ARTICLE VI

ADMINISTRATIVE

Section 1. There shall be elected by the voters of the state a Secretary, an Auditor, and a Treasurer of State, who shall severally hold their offices for two years. They shall perform such duties as may be enjoined by law; and no person shall be eligible to either of said offices more than four years in any period of six years.

Sec. 2. There shall be elected in each county, by the voters thereof, at the time of holding general elections, a Clerk of the Circuit Court, Auditor, Recorder, Treasurer, Sheriff, Coroner and Surveyor. The Clerk, Auditor and Recorder shall continue in office four years; and no person shall be eligible to the office of Clerk, Recorder or Auditor more than eight years in any period of twelve years. The Treasurer, Sheriff, Coroner and Surveyor shall continue in office two years; and no person shall be eligible to the office of Treasurer or Sheriff more than four years in any period of six years.

Sec. 3. Such other county and township officers as may be necessary shall be elected or appointed, in such manner as may be prescribed by law.

Sec. 4. No person shall be elected or appointed as a county officer who shall not be an elector of the county; nor any one who shall not have been an inhabitant thereof during one year next preceding his appointment, if the county shall have been so long organized; but if the county shall not have been so long organized, then within the limits of the county or counties out of which the same shall have been taken.

Sec. 5. The Governor, and the Secretary, Auditor and Treasurer of State, shall, severally, reside and keep the public records, books and papers, in any manner relating to the respective offices, at the seat of government.

Sec. 6. All county, township and town officers shall reside within their respective counties, townships, and towns, and shall keep their respective offices at such places therein, and perform such duties as may be directed by law.

Sec. 7. All state officers shall, for crime, incapacity, or negligence, be liable to be removed from office, either by impeachment by the House of Representatives, to be

tried by the Senate, or by a joint resolution of the General Assembly; two-thirds of the members elected to each branch voting, in either case, therefor.

Sec. 8. All state, county, township and town officers may be impeached, or removed from office, in such manner as may be prescribed by law.

Sec. 9. Vacancies in county, township; and town offices shall be filled in such manner as may be prescribed by law.

Sec. 10. The General Assembly may confer upon the boards doing county business in the several counties powers of a local administrative character.

ARTICLE VII

JUDICIAL

Section 1. The judicial power of the state shall be vested in a Supreme Court, in circuit courts, and in such other courts as the General Assembly may establish.

Sec. 2. The Supreme Court shall consist of not less than three, nor more than five judges; a majority of whom shall form a quorum. They shall hold their offices for six years, if they so long behave well.

Sec. 3. The state shall be divided into as many districts as there are judges of the Supreme Court, and such districts shall be formed of contiguous territory, as nearly equal in population as, without dividing a county, the same can be made. One of said judges shall be elected from each district, and reside therein; but said judge shall be elected by the electors of the state at large.

Sec. 4. The Supreme Court shall have jurisdiction, co-extensive with the limits of the state, in appeals and writs of error, under such regulations and restrictions as may be prescribed by law. It shall also have such original jurisdiction as the General Assembly may confer.

Sec. 5. The Supreme Court shall, upon the decision of every case, give a statement in writing of each question arising in the record of such case, and the decisions of the court thereon.

Sec. 6. The General Assembly shall provide by law for the speedy publication of the decisions of the Supreme Court, made under this Constitution, but no judge shall be allowed to report such decisions.

Sec. 7. There shall be elected by the voters of the state a Clerk of the Supreme Court, who shall hold his office four years, and whose duties shall be prescribed by law.

Sec. 8. The circuit courts shall each consist of one judge and shall have such civil and criminal jurisdiction as may be prescribed by law.

Sec. 9. The state shall, from time to time, be divided into judicial circuits, and a judge for each circuit shall be elected by the voters thereof. He shall reside within the circuit, and shall hold his office for the term of six years, if he so long behave well.

Sec. 10. The General Assembly may provide, by law, that the judge of one circuit may hold the courts of another circuit, in cases of necessity or convenience; and in case of temporary inability of any judge, from sickness or other cause, to hold the courts in his circuit, provision may be made, by law, for holding such courts.

Sec. 11. There shall be elected, in each judicial circuit, by the voters thereof, a prosecuting attorney, who shall hold his office for two years.

Sec. 12. Any judge or prosecuting attorney who shall have been convicted of corruption or other high crime may, on information in the name of the state, be removed from office by the Supreme Court, or in such other manner as may be prescribed by law.

Sec. 13. The judges of the Supreme Court and circuit courts shall, at stated times, receive a compensation, which shall not be diminished during their continuance in office.

Sec. 14. A competent number of justices of the peace shall be elected by the voters in each township in the several counties. They shall continue in office four years, and their powers and duties shall be prescribed by law.

Sec. 15. All judicial officers shall be conservators of the peace in their respective jurisdictions.

Sec. 16. No person elected to any judicial office shall during the term for which he shall have been elected be eligible to any office of trust or profit under the state, other than a judicial office.

Sec. 17. The General Assembly may modify or abolish the grand jury system.

⁷ See Note 2.

Sec. 18. All criminal prosecutions shall be carried on in the name and by the authority of the state; and the style of all processes shall be, "The State of Indiana."

Sec. 19. Tribunals of conciliation may be established, with such powers and duties as shall be prescribed by law; or the powers and duties of the same may be conferred upon other courts of justice; but such tribunals or other courts, when sitting as such, shall have no power to render judgment to be obligatory on the parties unless they voluntarily submit their matters of difference and agree to abide the judgment of such tribunal or court.

Sec. 20. The General Assembly, at its first session after the adoption of this Constitution, shall provide for the appointment of three commissioners, whose duty it shall be to revise, simplify and abridge the rules, practice, pleadings and forms of the courts of justice. And they shall provide for abolishing the distinct forms of action at law now in use; and that justice shall be administered in a uniform mode of pleading, without distinction between law and equity. And the General Assembly may, also, make it the duty of said commissioners to reduce into a systematic code the general statute law of the state; and said commissioners shall report the result of their labors to the General Assembly, with such recommendations and suggestions as to the abridgement and amendment, as to said commissioners may seem necessary or proper. Provision shall be made by law for filling vacancies, regulating the tenure of office and the compensation of said commissioners.

Sec. 21. Every person of good moral character, being a voter, shall be entitled to admission to practice law in all courts of justice.

ARTICLE VIII

EDUCATION

Section 1. Knowledge and learning generally diffused throughout a community, being essential to the preservation of a free government, it shall be the duty of the General Assmbly to encourage, by all suitable means, moral, intellectual, scientific and agricultural improvement, and to provide by law for a general and uniform system of common schools, wherein tuition shall be without charge, and equally open to all.

Sec. 2. The common school fund shall consist of the congressional township fund, and the lands belonging thereto;

The surplus revenue fund;

The saline fund, and the lands belonging thereto;

The bank tax fund, and the fund arising from the one hundred and fourteenth section of the charter of the State Bank of Indiana;

The fund to be derived from the sale of county seminaries, and the moneys and property heretofore held for such seminaries; from the fines assessed for breaches of the penal laws of the State; and from all forfeitures which may accrue;

All lands and other estate which shall escheat to the state for want of heirs or kindred entitled to the inheritance;

All lands that have been or may hereafter be granted to the state, where no special purpose is expressed in the grant and the proceeds of the sales thereof, including the proceeds of the sales of the swamp lands granted to the State of Indiana by the act of Congress of the 28th of September, 1850, after deducting the expense of selecting and draining the same;

Taxes on the property of corporations that may be assessed by the General Assembly for common school purposes.

- Sec. 3. The principal of the common school fund shall remain a perpetual fund, which may be increased, but shall never be diminished; and the income thereof shall be inviolably appropriated to the support of common schools, and to no other purpose whatever.
- Sec. 4. The General Assembly shall invest, in some safe and profitable manner, all such portions of the common school fund as have not heretofore been entrusted to the several counties; and shall make provision, by law, for the distribution, among the several counties, of the interest thereof.
- Sec. 5. If any county shall fail to demand its proportion of such interest for common school purposes, the same shall be reinvested for the benefit of such county.
 - Sec. 6. The several counties shall be held liable for the preservation of so much

of the said fund as may be entrusted to them, and for the payment of the annual interest thereon.

Sec. 7. All trust funds held by the state shall remain inviolate, and be faithfully and exclusively applied to the purposes for which the trust was created.

Sec. 8. The General Assembly shall provide for the election, by the voters of the state, of a State Superintendent of Public Instruction, who shall hold his office for two years, and whose duties and compensation shall be prescribed by law.

ARTICLE IX

STATE INSTITUTIONS

Section 1. It shall be the duty of the General Assembly to provide by law for the support of institutions for the education of the deaf and dumb, and of the blind; and, also, for the treatment of the insane.

Sec. 2. The General Assembly shall provide houses of refuge for the correction and reformation of juvenile offenders,

Sec. 3. The county boards shall have power to provide farms as an asylum for those persons who, by reason of age, infirmity, or other misfortune, have claims upon the sympathies and aid of society.

ARTICLE X

FINANCE

Section 1. The General Assembly shall provide, by law, for a uniform and equal rate of assessment and taxation; and shall prescribe such regulations as shall secure a just valuation for taxation of all property, both real and personal, excepting such only for municipal, educational, literary, scientific, religious or charitable purposes, as may be specially exempted by law.

Sec. 2. All the revenues derived from the sale of any of the public works belonging to the state, and from the net annual income thereof, and any surplus that may, at any time, remain in the treasury derived from taxation for general state purposes, after the payment of the ordinary expenses of the government, and of the interest on bonds of the state, other than bank bonds, shall be annually applied, under the direction of the General Assembly, to the payment of the principal of the public debt.

Sec. 3. No money shall be drawn from the treasury but in pursuance of appropriations made by law.

Sec. 4. An accurate statement of the receipts and expenditures of the public money shall be published with the laws of each regular session of the General Assembly.

Sec. 5. No law shall authorize any debt to be contracted, on behalf of the state, except in the following cases: To meet casual deficits in the revenue; to pay the interest on the state debt; to repel invasion, suppress insurrection, or, if hostilities be threatened, provide for the public defense.

Sec. 6. No county shall subscribe for stock in any incorporated company, unless the same be paid for at the time of such subscription; nor shall any county loan its credit to any incorporated company, nor borrow money for the purpose of taking stock in any such company; nor shall the General Assembly ever, on behalf of the state, assume the debts of any county, city, town or township, nor of any corporation whatever.

Sec. 7. No law or resolution shall ever be passed by the General Assembly of the State of Indiana that shall recognize any liability of this state to pay or redeem any certificate of stock issued in pursuance of an act entitled "An act to provide for the funded deft of the State of Indiana, and for the completion of the Wabash & Eric Canal to Evansville," passed January 19, 1846, and an act supplemental to said act passed January 29, 1847, which by the provisions of the said acts, or either of them, shall be payable exclusively from the proceeds of the canal lands, and the tolls and revenues of the canal in said acts mentioned; and no such certificates of stocks shall ever be paid by this state.

⁸ Section 7 is a new section; it was proposed by the General Assembly of 1871; re-adopted by the General Assembly, met in special session, in 1872; ratified by the electors on February 18, 1873; and proclaimed in force on March 7, 1873.

ARTICLE XI

CORPORATIONS

Section 1. The General Assembly shall not have power to establish or incorporate any bank or banking company, or moneyed institution, for the purpose of issuing bills of credit, or bills payable to order or bearer, except under the conditions prescribed in this Constitution.

Sec. 2. No bank shall be established otherwise than under a general banking law, except as provided in the fourth section of this article.

Sec. 3. If the General Assembly shall enact a general banking law, such law shall provide for the registry and countersigning by an officer of state of all paper credit designed to be circulated as money; and ample collateral security, readily convertible into specie, for the redemption of the same in gold or silver, shall be required; which collateral security shall be under the control of the proper officer or officers of state.

Sec. 4. The General Assembly may also charter a bank with branches, without collateral security, as required in the preceding section.

Sec. 5. If the General Assembly shall establish a bank with branches the branches shall be mutually responsible for each other's liabilities, upon all paper credit issued as money.

Sec. 6. The stockholders in every bank, or banking company, shall be individually responsible to an amount over and above their stock, equal to their respective shares of stock, for all debts or liabilities of said bank or banking company.

Sec. 7. All bills or notes issued as money shall be at all times redeemable in gold or silver, and no law shall be passed sanctioning, directly or indirectly, the suspension by any bank or banking company of specie payments.

Sec. 8. Holders of bank notes shall be entitled, in case of insolvency, to preference of payment over all other creditors.

Sec. 9. No bank shall receive, directly or indirectly, a greater rate of interest than shall be allowed by law to individuals loaning money.

Sec. 10. Every bank or banking company shall be required to cease all banking operations within twenty years from the time of its organization, and promptly thereafter to close its business.

Sec. 11. The General Assembly is not prohibited from investing the trust funds in a bank with branches; but in case of such investment, the safety of the same shall be guaranteed by unquestionable security.

Sec. 12. The state shall not be a stockholder in any bank, after the expiration of the present bank charter; nor shall the credit of the state ever be given, or loaned, in aid of any person, association, or corporation, nor shall the state hereafter become a stockholder in any corporation or association.

Sec. 13. Corporations, other than banking, shall not be created by special acts but may be formed under general laws.

Sec. 14. Dues from corporations, other than banking, shall be secured by such individual liability of the corporators, or other means, as may be prescribed by law.

ARTICLE XII

MILITIA

Section 1. The militia shall consist of all able-bodied white male persons between the ages of eighteen and forty-five years, except such as may be exempted by the laws of the United States, or of this state; and shall be organized, officered, armed, equipped and trained in such manner as may be provided by law.

Sec. 2. The Governor shall appoint the Adjutant, Quartermaster and Commissary Generals.

Sec. 3. All militia officers shall be commissioned by the Governor, and shall hold their offices not longer than six years.

Sec. 4. The General Assembly shall determine the method of dividing the militia into divisions, brigades, regiments, battalions and companies, and fix the rank of all staff officers.

Sec. 5. The militia may be divided into classes of sedentary and active militia in such manner as shall be prescribed by law.

Sec. 6. No person conscientiously opposed to bearing arms shall be compelled to do militia duty; but such person shall pay an equivalent for exemption; the amount to be prescribed by law.

ARTICLE XIII

POLITICAL AND MUNICIPAL CORPORATIONS

Section 1. No political or municipal corporation in this state shall ever become indebted, in any manner or for any purpose, to any amount, in the aggregate exceeding two per centum on the value of taxable property within such corporation, to be ascertained by the last assessment for state and county taxes, previous to the incurring of such indebtedness, and all bonds or obligations in excess of such amount, given by such corporations, shall be void: Provided, That in time of war, foreign invasion, or other great public calamity on petition of a majority of the property owners, in number and value, within the limits of such corporation, the public authorities, in their discretion, may incur obligations necessary for the public protection and defense, to such an amount as may be requested in such petition.⁹

ARTICLE XIV

BOUNDARIES

Section 1. In order that the boundaries of the state may be known and established, it is hereby ordained and declared, that the State of Indiana is bounded on the east by the meridian line which forms the western boundary of the State of Ohio; on the south by the Ohio River, from the mouth of the Great Miami River to the mouth of the Wabash River; on the west, by a line drawn along the middle of the Wabash River, from its mouth to a point where a due north line, drawn from the town of Vincennes, would last touch the northwestern shore of said Wabash River; and thence by a due north line, until the same shall intersect an east and west line, drawn through a point ten miles north of the southern extreme of Lake Michigan; on the north, by said east and west line, until the same shall intersect the first mentioned meridian line, which forms the western boundary of the State of Ohio.

Sec. 2. The State of Indiana shall possess jurisdiction, and sovereignty co-extensive with the boundaries declared in the preceding section; and shall have concurrent jurisdiction, in civil and criminal cases, with the State of Kentucky on the Ohio River, and with the State of Illinois on the Wabash River, so far as said rivers form the common boundary between this state and said states respectively.

ARTICLE XV

MISCELLANEOUS

Section 1. All officers whose appointment is not otherwise provided for in this Constitution, shall be chosen in such manner as now is, or hereafter may be, prescribed by law.

Sec. 2. When the duration of any office is not provided for by this Constitution, it may be declared by law; and if not so declared, such office shall be held during the pleasure of the authority making the appointment. But the General Assembly shall not create any office, the tenure of which shall be longer than four years.

Sec. 3. Whenever it is provided in this Constitution, or in any law which may be hereafter passed, that any officer other than a member of the General Assembly, shall hold his office for any given term, the same shall be construed to mean that such officer shall hold his office for such term, and until his successor shall have been elected and qualified.

Sec. 4. Every person elected or appointed to any office under this Constitution shall, before entering on the duties thereof, take an oath or affirmation to support the Constitution of this state and of the United States, and also an oath of office.

⁹ See Note 2. The original article, relative to negroes and mulattoes, was stricken out and the article relative to the municipal debt limit inserted.

- Sec. 5. There shall be a seal of the state, kept by the Governor for official purposes, which shall be called the seal of the State of Indiana.
- Sec. 6. All commissions shall issue in the name of the state, shall be signed by the Governor, sealed by the state seal, and attested by the Secretary of State,
- Sec. 7. No county shall be reduced to an area less than four hundred square miles; nor shall any county under that area be further reduced.
 - Sec. 8. No lottery shall be authorized, nor shall the sale of lottery tickets be allowed.
- Sec. 9. The following grounds owned by the state in Indianapolis, namely: the State House Square, the Governor's Circle, and so much of outlot numbered one hundred and forty-seven as lies north of the arm of the Central Canal shall not be sold or leased.
- Sec. 10. It shall be the duty of the General Assembly to provide for the permanent enclosure and preservation of the Tippecanoe battle ground.

ARTICLE XVI

AMENDMENTS

Section 1. Any amendment or amendments to this Constitution may be proposed in either branch of the General Assembly; and if the same shall be agreed to by a majority of the members elected to each of the two houses, such proposed amendment or amendments shall, with the yeas and nays thereon, be entered on their journals and referred to the General Assembly to be chosen at the next general election; and, if in the General Assembly so next chosen, such proposed amendment or amendments shall be agreed to by a majority of all the members elected to each house, then it shall be the duty of the General Assembly to submit such amendment or amendments to the electors of the state, and if a majority of said electors shall ratify the same, such amendment or amendments shall become a part of this Constitution.

Sec. 2. If two or more amendments shall be submitted at the same time, they shall be submitted in such manner that the electors shall vote for or against each of such amendments separately; and while an amendment or amendments which shall have been agreed upon by one General Assembly shall be awaiting the action of the succeeding General Assembly, or of the electors, no additional amendment or amendments shall be proposed.

SCHEDULE

This Constitution, if adopted, shall take effect on the first day of November, in the year one thousand eight hundred and fifty-one, and shall supersede the Constitution adopted in the year one thousand eight hundred and sixteen. That no inconvenience may arise from the change in the government, it is hereby ordained as follows:

First. All laws now in force, and not inconsistent with this Constitution, shall remain in force until they expire or be repealed.

Second. All indictments, prosecutions, suits, pleas, plaints, and other proceedings, pending in any of the courts shall be prosecuted to final judgment and execution; and all appeals, writs of error, certiorari, and injunctions, shall be carried on in the several courts, in the same manner as is now provided by law.

Third. All fines, penalties, and forfeitures, due or accruing to the state, or to any county therein, shall inure to the state, or to such county, in the manner prescribed by law. All bonds executed to the state, or to any officer, in his official capacity, shall remain in force and inure to the use of those concerned.

Fourth. All acts of incorporation for municipal purposes shall continue in force under this Constitution, until such time as the General Assembly shall, in its discretion, modify or repeal the same.

Fifth. The Governor, at the expiration of the present official term, shall continue to act, until his successor shall have been sworn into office.

Sixth. There shall be a session of the General Assembly commencing on the first Monday in December, in the year one thousand eight hundred and fifty-one.

Seventh. Senators now in office and holding over, under the existing Constitution, and such as may be elected at the next general election, and the Representatives then elected, shall continue in office until the first general election under this Constitution.

Eighth. The first general election under this Constitution shall be held in the year one thousand eight hundred and fifty-two.

Ninth. The first election for Governor, Lieutenant-Governor, judges of the Supreme Court and circuit courts, Clerk of the Supreme Court, prosecuting attorneys, Secretary, Auditor and Treasurer of State, and State Superintendent of Public Instruction, under this Constitution, shall be held at the general election in the year one thousand eight hundred and fifty-two; and such of said officers as may be in office when this Constitution shall go into effect, shall continue in their respective offices, until their successors shall have been elected and qualified.

Tenth. Every person elected by popular vote, and now in any office which is continued by this Constitution, and every person who shall be so elected to any such office before the taking effect of this Constitution (except as in this Constitution otherwise provided), shall continue in office, until the term for which such person has been, or may be, elected, shall expire: *Provided*, That no such person shall continue in office, after the taking effect of this Constitution, for a longer period than the term of such office in this Constitution prescribed.

Eleventh. On the taking effect of this Constitution, all officers thereby continued in office shall, before proceeding in the further discharge of their duties, take an oath or affirmation to support this Constitution.

Twelfth. All vacancies that may occur in existing offices, prior to the first general election under this Constitution, shall be filled in the manner now prescribed by law.

Thirteenth. At the time of submitting this Constitution to the electors, for their approval or disapproval, the article numbered thirteen, in relation to negroes and mulattoes, shall be submitted as a distinct proposition, in the following form: "Exclusion and Colonization of Negroes and Mulattoes," "Aye" or "No." And if a majority of the votes cast shall be in favor of said article, then the same shall form a part of this Constitution; otherwise, it shall be void, and form no part thereof.

Fourteenth. No article or section of this Constitution shall be submitted as a distinct proposition, to a vote of the electors, otherwise than as herein provided.

Fifteenth. Whenever a portion of the citizens of the counties of Perry and Spencer, shall deem it expedient to form, of the contiguous territory of said counties, a new county, it shall be the duty of those interested in the organization of such new county, to lay off the same, by proper metes and bounds, of equal portions, as nearly as practicable, not to exceed one-third of the territory of each of said counties. The proposal to create such new county shall be submitted to the voters of said counties, at a general election, in such manner as shall be prescribed by law. And if a majority of all the votes given at said election, shall be in favor of the organization of said new county, it shall be the duty of the General Assembly to organize the same, out of the territory thus designated.

Sixteenth. The General Assembly may alter or amend the charter of Clarksville, and make such regulations as may be necessary for carrying into effect the objects contemplated in granting the same; and the funds belonging to said town shall be applied, according to the intention of the grantor.

Done in convention, at Indianapolis, the tenth day of February, in the year of our Lord one thousand eight hundred and fifty-one; and of the independence of the United States, the seventy-fifth.

GEORGE WHITFIELD CARR,

President and Delegate from the County of Lawrence.

Attest:

WM. H. ENGLISH.
Principal Secretary.
GEORGE L. SITES.
HERMAN G. BARKWELL.
ROBERT M. EVANS.

Assistant secretaries.

DISTRIBUTION OF TAXES

The following tables show by counties and cities the total amount of taxes charged on the tax duplicates for 1920 and collected in 1921 and the purposes for which the money was collected and expended. The table also shows the exact amount out of each \$100 paid that is expended for the various purposes of government. The total amount charged on the tax duplicate for the support of the state offices, boards and commissions was \$819,080 or 74 cents out of each \$100. Of this amount, \$754,081.73 was collected, the remainder being delinquent. This amount constitutes what is known as the general fund. Out of the general fund \$541,223.83 was paid to the three state schools and \$369,265.48 in salaries to the local judges and prosecuting attorneys, making a total of \$910,-489.31. Accordingly, no part of the tax collected is used for the support of the offices, boards and commissions but the total expense is paid from fees collected and there is a surplus of \$156,407.58 of funds received from fees over and above the total operating cost of the state government proper.

					GENERAL FUND	UND				
		Srv	STATE							
COUNTIBS	Maintenance	Amount	Benevolentand Correctional Institutions	Amount	County	Amount	Township	Amount	City	Amount
State Total	\$819,080	\$0 74	\$3,444,854	\$3 09	\$13, 422, 157	\$12 07	\$3,558,595	\$3 19	\$21,813,090	\$19 57
Adams Allen Bartholomew Benton Blackford	6, 562 32, 199 7 111 8, 093 4, 053	67 74 80 80 72	29, 640 135, 205 31, 186 42, 574 17, 779	3 05 3 11 3 53 5 15 3 17	125, 591 431, 056 89, 041 39, 687 110, 423	12 92 9 91 10 07 4 80 19 67	24, 554 70, 875 28, 806 47, 706 14, 680	2 52 1 63 2 26 2 77 2 77	108,812 1,485,196 138,675 49,033 63,636	11 19 34 12 15 68 5 93 11 34
Boone. Brown. Carroll. Cass. Clark.	9,170 861 6,675 10,961 5,257	. 73 73 68 68 68	42, 186 2, 376 31, 380 46, 926 18, 541	25 38 4 38 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	137,872 33,134 151,632 241,588 71,250	12 83 27 99 18 11 15 26 9 15	35,854 4,593 36,137 36,420 36,000	63 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	126,249 1,732 40,752 306,983 166,849	11 75 1 46 4 87 19 39 21 44
Clay. Clinton. Crawford. Daviess. Dearborn.	5,856 10,549 1,417 5,583 4,039	22 22 22 22 22 24 25 25 25 25 25 25 25 25 25 25 25 25 25	20, 276 48, 257 3, 607 20, 608 14, 869	1 98 3 95 2 17 3 64 3 14	173, 233 145, 503 27, 031 85, 918 77, 122	16 95 11 91 16 29 11 02 16 26	55,024 27,491 11,475 42,174 29,594	5 38 6 92 6 92 6 24 6 24	80,237 168,969 10,390 114,571 48,724	7 85 13 83 6 26 14 69 10 27
Decatur. Dekalb. Delaware. Dubois. Elkhart.	5,620 7,207 16,147 3,483 15,951	75 73 87 93 93	24,457 30,754 68,307 11,241. 66,479	3 2 2 2 2 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	76,920 166,799 224,541 69,840 207,502	10 20 19 26 10 10 17 40 12 03	17,858 36,824 62,772 20,328 100,455	5 2 4 2 3 2 4 2 8 3 2 4 8 3 2 4 8 3 2 4 8 3 2 4 8 3 2 4 8 3 4 8 3 4 8 3 4 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8	73, 121 86, 242 464, 986 34, 040 196, 211	9 70 9 96 20 93 8 48 11 37
Fayetke. Floyd. Floyd. Frountain. Franklin.	5,071 4,420 6,381 3,479 5,482	93 74 62 62	20, 188 15, 104 28, 727 13, 564 24, 882	2 2 2 2 2 3 5 3 6 5 6 5 6 5 6 5 6 5 6 6 6 6 6 6 6	64,888 110,082 141,202 69,659 84,347	11 87 16 62 16 43 16 36 9 59	19, 279 10, 493 46, 679 18, 203 49, 049	24 5 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	135,818 215,600 81,436 19,933 59,564	24 85 32 56 4 4 9 47 6 77
Gibson Graut, Greant Hamilton Hancock.	7,659 13,323 7,161 7,767 7,187	70 70 72 85 85	31,704 56,903 25,045 33,910 33,306	3 2 2 2 2 3 3 3 3 5 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6	103, 981 238, 826 90, 732 90, 256 138, 565	9 14 12 52 9 99 8 66 16 49	79,842 50,461 37,112 31,168 38,482	25.80 6.2 25.80	94, 616 337, 199 139, 810 93, 650 50, 895	8 32 17 68 15 39 8 99 6 06

I. TAXES-COUNTY, 1920-CONTINUED

General Fund		Amount Township Amount City Amount	82 814 67 826 653 87 36 816 494 84 56 217 12 15 33 77 3 34 41,243 40 40 40 40 40 54 40 54 40 54 40 54 40 54 40 54 54 53 34 38 93 11 15 28 10 11 15 28 10 15 10 15 80 48 77 33 37 33 38 94 9 10 15 10 15 10 15 10 15 10 15 10 15 10 15 10 15 10 15 10 15 15 10 15 15 10 15 10 15 10 15 10 15 10 15 10 10 15 10 10 10	284 12 05 25, 427 3 32 107, 283 14 00 020 13 66 24,360 5 82 25,414 3 81 855 11 33 24,360 2 47 79,456 8 10 811 11 33 17,363 3 76,566 8 10 831 11 39 17,365 3 76,504 8 10 831 11 39 20,117 5 59 24,040 6 67	987 12 17 43,695 2 24 30,104 10 77 987 12 17 43,695 2 24 300,319 15 43 640 7 26 68,545 6 25 122,500 11 16 77 10 2 25 6 2 24 88 48 649 12 30 25 6 9 24,825 48 66 649 12 30 305,778 5 52 171,718 3 10	188 13 13 55, 227 3 77 264, 325 14 70 336 12 94 16, 517 2 11 128, 478 16 40 757 10 67 68, 327 3 47 316, 893 16 12 437 11 76 44, 741 3 5 7, 343, 051 93, 883 9 52	041 17 33 11,324 4 78 22,020 9 30 157 12 86 50,152 4 56 177,992 16 21 042 14 37,479 4 66 142,743 17 76 980 8 4 76,495 5 68 156,779 11 65 980 5 8 32,975 4 93 73,619 11 62	387 9 48 49,510 7.91 42,514 6 79 453 13 68 30,148 4 11 51,121 6 96 581 17 84 4,888 4 69 12,995 12 48 552 18 36 23,395 5 5 42,259 9 48 900 18 3 22,401 5 6 9 6 19			
GENERA		Amount	\$1 95 \$ 43 \$ 43 \$ 89,38 \$ 90,38 \$ 135,21 \$ 3 86 \$ 100,16 \$ 3 05	2 79 92,28 3 83 91,03 2 29 111,88 2 25 59,33 2 99 46,58	3 65 69,56 2 39 236,93 3 57 79,66 3 94 51,11 4 03 681,66	3 27	2 04 41,04 3 24 141,18 1 90 120,00 3 44 112,20 2 63 38,98	4 30 59,36 2 51 100,44 2 20 59,57 8 6,05			
,	317	Benevolentand Correctional Institutions	\$7,068 34,993 42,257 56,918 40,070	21,336 25,572 29,511 11,569 10,754	30,861 46,597 39,156 20,127 223,430	58, 725 14, 362 66, 863 419, 907 34, 779	4,835 35,603 15,273 46,323 17,583	26, 943 31, 193 2, 610 9, 820			
	STAT	STAT	STAT	STATE	Amount	\$71 75 89 91 71	188687	81 59 779 87	79 57 87 87	71 76 54 75 69	86 75 67
		Maintenance	\$2,583 7,614 9,878 13,343 9,281	5, 492 5, 457 6, 816 3, 492 2, 785	6,824 11,409 8,710 4,440 48,990	14, 225 4, 419 17, 100 99, 597 7, 695	1,671 8,401 4,365 10,141 4,590	5,400 7,044 7,044 2,963			
	2	COUNTES	Hatrison. Hendricks. Henry. Henry. Howard.	Jackson. Jasper. Jasper. Jasper. Jaryen. Jennings.	Johnson. Knox. Kosuusko. Lagrange	Japorte Jawrence Madison Marion Marshall	Martin Miami Monto Montgomery Morgan	Newton Noble Onion Orange			

10.01.01.45		G = (5.01.5	10.1-10.00.0			0000000
16 72 16 72 10 23 10 53	45 74 6 77 10 31 6 12 6 90	35 29 4 31 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	88 857 18 885 898 988	6 94 77 9 72 28 56	14 55 4 75 6 62 3 54	23 08 8 88 12 25 16 16
29,508 49,486 27,025 87,752 89,401	23,352 59,901 125,800 33,637 71,481	1,452,971 10,615 99,420 27,752 25,687	39,345 85,216 20,725 347,995 52,860	18,275 1,122,936 79,523 1,177,666	202, 481 24,057 40,804 17,145	424,082 81,486 70,742 83,081
3 74 2 98 3 47 3 60	4 9 3 6 0 8 5 4 7 8 6 0 8 9 4 7 8 6 0 8 9 4 7 8 6 9 4 7 8 6 9 4 7 8 6 9 4 8 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6 9 6	1 10 5 38 3 46 5 35 5 17	10 05 3 32 3 42 3 42 3 58	6 83 1 2 22 1 86	6 0 0 2 4 8 4 9 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	2 79 3 19 4 60 4 60
27, 265 8, 828 20, 611 23, 368 30, 563	22, 442 53, 744 66, 789 22, 231 60, 788	45,316 13,245 34,420 19,698 24,156	49,133 32,581 12,913 64,600 21,080	17,997 27,977 18,171 76,541	35,387 30,522 21,485 20,211	. 51,315 29,378 46,656 31,440
17 02 15 51 25 73 10 10 10 16	15 37 9 26 9 66 14 70 12 29	9 32 18 11 11 36 31 95 11 84	12 52 13 11 20 75 9 44 7 15	11 80 10 26 11 68 16 96	10 74 9 42 22 13 18 96	9 05 14 42 10 46 9 30
123, 935 45, 903 131, 515 95, 640 86, 250	79, 161 81, 896 117, 899 80, 793 127, 214	383,666 44,564 113,197 176,728 55,283	61, 201 128, 775 48, 556 178, 322 42, 059	31, 110 331, 382 95, 574 699, 261	149, 694 47, 724 136, 373 91, 784	166,597 133,052 89,741 63,564
2 2 2 2 2 2 2 3 2 3 2 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	3 2 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2 9 9 8 2 2 2 2 2 2 2 3 4 5 9 4 9 9 4 9 9 9 9 9 9 9 9 9 9 9 9 9	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22 74 1 22 1 98	2 2 3 3 8 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 4	2 91 3 40° 3 99 3 66
19,306 6,650 11,679 37,618 23,478	18, 252 26, 316 42, 651 13, 110 40, 684	122,572 5,696 42,526 12,258 16,308	15,045 25,670 4,703 63,219 28,996	11,116 88,400 26,852 81,761	38,400 27,238 13,257 11,700	53,515 31,400 34,214 25,002
65 63 63 63 63	79 69 78 69 81	45 94 63 75 75	73 71 65 1 07	52.8.73	1 06 62 67	17.7.4.8 4.8.18
4,703 2,357 3,406 7,876 5,322	4,053 6,071 9,464 8,733 8,443	30,493 1,525 9,404 3,502 3,497	3,559 6,949 1,527 14,155 6,286	24, 228 24, 228 6, 976 22, 585	8,620 5,396 3,805 3,256	13,004 6,863 7,177 5,568
		St. Joseph Scotts Shelty Spencer Starke	Steuben. Sullivan. Sulipeand. Tippecanoe.	Union. Vanderburgh Vermillion Vigo.	Wabash Warrek Warrick Washington	

I. TAXES—COUNTY, 1920—CONTINUED

Total Tax 1920	\$111,459,765	972, 273 4, 352, 383 884, 550 826, 948 561, 336	1,074,814 118,397 837,460 1,583,194 778,345	1,022,235 1,221,658 165,947 779,890 474,330	753,919 866,105 2,222,029 401,444 1,725,247	546,639 662,169 859,530 425,759 879,779	1,137,217 1,907,653 908,462 1,041,609 840,515
Amount	\$0 31	31 32 35 32 32	040 888 808 840 840	. 22 22 32 32 32	33 38 38 38 38	2924	828.388 98.886 4
State Memorial	\$350,329	3,014 13,750 3,171 4,330 1,808	4,290 242 3,191 4,772 1,885	2,062 4,908 367 2,096 1,512	2,487 3,127 6,946 1,143 6,761	2,053 1,536 2,921 1,379 2,530	3, 224 5, 787 2, 547 3, 3449 3, 387
Amount	\$0.45	32 09 11 93 57	24 61 66 81 81	42 64 40 85	1 01 53 53 19 17	54 20 92 11 18	87 32 34 34
Poor	\$503,203	3,090 4,123 997 7,679 3,207	2,562 728 3,320 10,385 6,293	4,267 7,766 3,113 4,023	4,311 8,744 11,871 760 3,003	2,979 1,353 7,891 1,588	6,826 16,552 2,890 6,866 . 2,847
Amount	\$20 31	32 48 16 86 26 27 28 30 24 34	26 59 24 78 33 54 17 37 24 01	28 07 25 36 28 52 09 21 93	37 11 17 88 16 65 25 11 17 30	13 59 12 48 23 36 30 47 39 90	31 91 25 94 21 24 26 43 28 09
Highways, Streets and Bridges	\$22,671,172	315,809, 733,753 232,415 234,022 136,625	285,751 29,338 280,909 274,917	286,957 309,760 47,320 172,303 104,049	279,807 154,830 369,902 100,794 298,447	74, 268 82, 603 200, 809 129, 710 351, 049	362,814 494,859 192,980 275,269 236,105
Amount	\$1 47	1 45 1 67 2 44 1 50	1 86 1 78 1 41 1 13	94 1 87 1 03 1 25 1 49	1 54 1 68 1 46 1 33 1 83	1 75 1 08 1 59 1 51 1 34	1 42 1 23 1 24 1 25 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Universities	\$1,634,845	14,066 64,165 14,800 20,204 8,437	20,020 1,128 14,892 22,270 8,799	9,623 22,901 1,712 9,780 7,056	11,607 14,595 32,417 5,335 31,549	9,581 7,168 13,633 6,437 11,809	15,046 27,005 11,886 16,093 15,806
Amount	\$38 80	35 09 31 75 38 25 45 18 35 75	38 23 37 39 32 07 39 66 35 53	37 63 38 93 37 74 41 51 38 65	34 19 41 22 43 39 38 48 46 31	38 38 38 38 38 38 38 38 38 38 38 38 38 3	37 95 34 95 43 84 46 39 37 35
Schools	\$43,242,440	341,134 1,382,062 338,347 373,620 200,690	410,858 44,265 268,573 627,970 276,568	384,700 475,555 62,628 323,746 183,340	257,731 356,983 964,137 154,482 798,888	212,514 213,809 329,850 162,917 289,482	431,506 666,737 398,299 483,181 313,936
COUNTIES	State Total.	Adams. Allen. Bartholomew. Benton. Bisokford.	Boone. Brown. Carroll. Cass. Clark.	Clay. Clinton. Crawford Davries. Dearborn	Decaiur Dekalb Dekware Dubois.	Fayette Floyd. Fountain Fountain Franklin Fulton.	Gibson Grant Greene Hamilton Hancock

361,946	765,910	846,231	1,798,335	236,764	626,319	728, 298	514,971
1,018,646	667,480	1,946,342	783,309	1,098,352	734,059	296, 025	884,423
1,112,931	987,280	1,097,409	1,966,173	803,794	104,163	511, 058	1,219,897
1,473,638	514,589	510,671	16,278,308	1,345,968	445,819	946, 848	549,589
1,311,321	360,189	5,542,006	986,006	668,111	398,369	848, 690	1,035,482
333320	303338	37 24 36 40 41	3,50 3,60 3,60 3,60 3,60 3,60 3,60 3,60 3,6	21 33 119 35 27	4445223 252233	788388	98888
719 3,559 4,297 4,075	2,170 2,601 3,001 1,177 1,094	3,138 4,739 3,982 2,047 22,722	5,972 1,461 6,800 42,702 3,537	492 3,621 1,553 4,711 1,788	2,740 3,172 265 999 1,042	1,963 676 1,188 3,826 2,388	1,856 2,676 4,337 1,333 4,137
29 29 51 17	1 03 41 36 51	1 11 38 1 01 70 90	1 03 88 88 17 02 61	1 50 07 04 64 32 76	. 80 . 46 . 36 . 79	67 51 74 17 62	38 26 65 41 47
1,529 2,955 7,283 2,207	7,855 4,079 1,870 1,854	9,443 7,414 11,097 3,561 49,956	18,549 6,918 3,284 3,004 6,012	3,553 740 5,149 - 4,282 5,105	2,270 5,843 476. 1,612 3,130	4,882 1,508 3,772 1,567 5,208	1,974 2,285 7,910 2,239 4,820
30 90	22 58	27 71	23 41	24 19	30 82	27 01	27 20
36 91	33 74	23 39	23 42	19 69	18 09	15 86	28 81
19 46	41 11	20 28	21 88	24 87	16 76	21 48	24 13
20 13	24 52	20 45	7 08	21 68	28 07	30 93	34 94
20 99	23 97	18 56	25 32	27 57	20 57	36 28	30 06
111,856	172, 916	234, 463	420,908	57, 277	193,032	196, 734	140,045
375,998	225, 209	455, 163	183,461	216, 224	132,825	46, 956	254,763
216,518	405, 941	222, 572	430,182	199, 837	17,463	109, 759	294,330
296,611	126, 161	104, 407	1,152,980	291, 768	125,163	292, 911	192,030
275,253	86, 347	1, 028, 660	249,639	184, 219	81,956	307, 885	311,267
1 63 83 1 45	1 32 1 82 1 42 1 07	1 73 1 14 1 69 1 87 1 91	1 55 87 1 61 1 22 1 67	, 97 1 54 1 63 1 25	2 04 2 02 1 19 1 22 1 22	1 26 1 06 1 08 1 89 1 31	1 68 1 41 1 66 1 13 1 86
3,354	10,126	14,646	27,870	2, 295	12,787	9,162	8,662
16,607	12,136	22,114	6,814	16, 896	14,804	3,156	12,489
20,054	14,005	18,583	31,732	7, 248	1,239	5,542	20,241
27,012	5,490	9,552	199,278	21, 984	4,660	17,853	6,222
19,016	5,104	106,034	16,505	8, 344	4,861	11,142	19,307
38 38 38 42 55 39 26 39 00	41 91	42 23	38 72	38 97	37 00	42 68	41 78
	36 14	42 03	40 79	40 75	48 70	44 08	43 45
	31 17	47 63	41 46	33 60	43 07	38 46	43 48
	43 07	49 99	31 08	46 16	39 34	39 97	35 35
	44 86	52 38	46 76	45 04	42 27	33 82	37 41
138,609	321,022	357,409	696,345	92,256	231,756	310,838	215,176
393,997	241,244	817,956	319,533	447,568	357,456	130,505	384,284
473,554	307,754	522,622	815,235	270,105	44,864	196,561	530,476
578,601	221,652	255,284	5,058,601	621,276	175,399	378,438	194,262
511,386	161,560	2,903,070	461,066	300,908	168,402	287,054	387,341
Harrison Hendricks Henry Howard Howard Huntington	Jackson Jasper Jay Jefferson Jennings	Johnson Knox Knox Loseiusko Lagrange Lake	Laporte Lawrence Madison Marion Marion Marshall	Martin Miami Monroe Montgomery Morgan	Newton Noble Obio Orange Owen	Parke Perry Perry Porker Posey	Pulaski Putnam Randolph Ripley Rush

I. TAXES-COUNTY, 1920-CONTINUED

Total Tax 1920	\$4,116,983 246,058 996,243 553,182 466,898	488,809 982,144 234,052 1,888,255 588,728	263,498 3,229,658 818,334 4,123,724	1,393,405 506,723 616,299 483,979	1,841,605 922,596 857,612 683,425
Amount	\$0 24 24 23 36 36	31 27 20 34 50	24 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	82828	29 35 41 37
State Memorial	\$12,465 579 4,325 1,247 1,658	1,530 2,611 478 6,429 2,949	1,131 8,990 2,732 8,315	3,905 2,771 1,348 1,190	5,442 3,193 2,479 2,543
Amount	\$0 33 51 73	282 728 728 738	1 27 1 02 1 02 28	60 67 77 34	80 23 13 13
Poor	\$13,666 1,250 7,303 1,941	1,938 3,800 1,209 1,510 4,227	1,561 41,193 8,334 11,575	8,334 3,411 4,743 1,622	14,839 2,115 2,510 919
Amount	\$10 83 25 93 26 09 22 47 29 58	18 32 25 21 20 33 24 79 21 23	19 80 9 27 24 20 10 83	32 54 35 54 26 47 31 99	16 27 29 67 32 04 30 54
Highways, Streets and Bridges	\$445, 792 63, 799 259, 874 124, 282 138, 091	89,536 247,585 47,581 468,105 124,997	52,168 299,497 198,064 446,662	453,427 180,104 163,148 154,832	299,671 273,762 274,736 208,693
Amount	\$1 41 1 10 2 03 1 05 1 66	1 46 1 24 1 59 2 34	2 00 1 30 1 56 94	1 31 2 55 1 02 1 15	1 38 1 62 1 89 1 74
Universities	\$58,170 2,703 20,182 5,817 7,740	7,140 12,183 2,232 30,002 13,761	5,275 41,953 12,743 38,802	18,224 12,926 6,292 5,553	25,397 14,902 16,237 11,865
Amount	\$37 70 41 49 40 71 32 53 41 65	45 08 44 47 40 22 37 81 49 51	46 49 38 49 45 14 37 84	34 08 34 06 36 51 36 50	42 77 37 55 36 39 36 69
Schools	\$1,551,873 102,080 405,590 179,958 194,479	220,383 436,775 94,129 713,917 291,511	1,243,103 369,365 1,560,556	474,933 172,574 225,045 176,685	787,742 346,444 312,119 250,750
COUNTIES	St. Joseph. Scott. Shelby. Spencer	Sfeuben. Sullivan. Swizerland. Tippecanoe. Tipton.	Union. Vanderburgh Vermillion. Vigo.	Wabash Warren. Warrick. Washington.	Wayne Wells White Whitey

			:		GENERAL FUND	UND				
CITIES		State	te	-						
	Maintenance	Amount	Benevolent Institutions	Amount	County	Amount	Township	Amount	City	Amount
Total	\$346,078	\$0 64	\$1,340,762	\$2 50	\$5,359,074	86 6\$	\$276,405	\$0 52	\$17,878,517	\$33 31
Alexandria. Anderson Attigola. Auburn.	6,020 521 521 577 1,108	88 63 86 63 88 88	1,868 20,754 2,206 2,001 4,369	22222 2455 452 853 853 853 853 853 853 853 853 853 853	6,010 65,821 8,972 9,834 23,699	8 24 7 98 10 82 11 56 13 43	633 7,035 1,869 678 1,851	2 26 80 1 05	240, 691 16,076 29,878 35,550	29 19 19 39 35 11 20 15
Aurora. Batesville. Bedford. Bicknell. Bloomington.	663 417 1,355 1,078 2,000	1 03 66 44 75 43	2,183 1,372 4,104 2,612 7,003	2 17 1 35 1 83 1 51 1 51	11,390 8,510 28,445 13,279 55,040	17 77 13 44 9 35 9 30 11 89	1,110 1,163 2,087 1,792 9,495	1 73 1 84 1 69 2 05	12,514 103,493 33,335 139,753	19 76 34 00 23 35 30 19
Bluffon Boonville Brazil Buter Cannetton	1,007 667 1,538 272 272 258	53 53 58 58 58	3,675 1,821 4,378 980 764	. 1 63 1 44 1 48 1 2 24 1 72	15,571 18,575 37,955 5,316 5,244	6 92 14 96 12 87 12 16 11 80	1,869 1,234 1,507 664 648	83 08 1 51 1 46	64, 777 28, 492 66, 316 12, 448 16, 775	28 79 . 22 58 22 49 28 47 37 75
Clinton Columbia City Columbia Columbia Courserville Covington.	1,824 766 2,000 2,405 387	55 55 55 62 62 62 62	2,128 2,896 8,179 8,272 1,445	2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	18, 251 7, 363 23, 484 27, 241 7, 104	5 25 6 35 9 27 11 48	1,304 982 10,811 1,459 980	2 20 2 92 3 50 1 58	48,841 55,860 122,784 134,190 15,757	19 54 39 84 33 19 45 67 25 46
Crawfordsville. Crown Point Crown Boeatur Delphi. Dunkirk.	2,097 706 987 393 389	62 71 71 53 1 81	7,930 2,523 3,975 1,590 1,213	2 2 3 3 5 1 7 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	19,571 7,696 16,845 7,792 4,708	5 76 7 76 10 55 21 87	4,705 1,283 1,078	1 38 1 29 1 46	86, 402 33, 479 87, 499 23, 272	25 43 33 76 39 39 31 51
East Chicago Ekhart Ekhart Ekwan Eywan Eywansylle	10,947 5,844 1,854 20,397 21,558	1 08 1 82 72 67	52,171 21,622 5,639 72,553 85,809	2 2 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	159, 165 68, 143 18, 101 272, 487 275, 819	13 73 7 99 9 57 8 56	8, 421 3, 970 13, 524 8, 726	338	1,086,045	38 14 45 55

II. TAXES—CITIES, 1920—Continued

				٠	GENERAL FUND	GND			-	
CITIES		Sta	State							
	Maintenance	Amount	Benevolent Institutions	Amount	County	Amount	Township	Amount	City	Amount
Frankfort Frankin. Garrett. Garrett Gas City.	\$2,496 943 714 16,970 428	\$0 61 64 78 86 55	\$8,984 3,853 -2,146 79,105 1,170	\$2 20 2 61 2 35 1 4 00 1 51	\$22, 291 8, 780 11, 640 241, 338 5, 218	\$5 45 5 94 12 74 12 22 6 75	\$3,045 1,306 1,819 1,683 992	\$0 74 88 1 99 1 28	\$157,516 46,006 21,191 570 25,257	\$38 49 31 14 23 19 32 66
Goshen. Greencastle Greenfald Greensburg. Hammond	2,01 719 868 1,061 8;302	53 69 57 93	7,882 2,694 3,107 3,797 33,948	. 2 45 3 78	24, 722 5, 741 13, 322 12, 130 103, 569	6 57 4 96 10 52 6 56 11 54	4,008 913 1,053 644 2,877	1 07 79 83 35 32	129, 603 37, 048 25, 963 69, 281	34 43 32 00 20 49 37 43
Hartford Gity Huntingburg Huntington Indianapolis.	1,059 503 3,127 86,416 635	55 55 55 55 55 55 55	3,791 1,578 12,196 358,913 1,490	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	23,740 9,831 45,708 1,637,648 5,816	12 85 15 12 8 42 10 99 7 79	1,606 1,337 2,067 6,593	2 06 38 04	29, 154 13, 607 193, 323 6, 479, 927 27, 544	15 78 20 92 35 62 43 48 36 90
Jasper Jeffesonville Kendaliville Kokomo Lafayette	405 1,508 1,230 7,542 5,140	75 1 28 88 64	1,205 4,908 4,647 29,483 19,098	2 2 2 2 4 4 8 8 3 7 7 5 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7,552 18,976 14,966 52,516 55,599	13 93 6 61 15 56 6 13 6 91	2,043 2,495 4,997 4,855	3 77 87 58 61	11,743 123,781 302,371 302,932	21 66 43 10 35 27 37 66
Laporte. Lawrenceburg. Lebanon. Ligonier.	3,201 640 1,379 488 890	64 67 60 56	10,803 2,462 5,120 2,042 2,310	2 16 2 27 2 27 1 46	44,031 12,739 16,998 6,576 8,828	8 81 13 38 7 53 8 04 5 56	5,493	1 10	229,318 28,788 90,399 20,562 53,250	45 88 30 24 40 05 25 15 33 56
Logansport. Logansporte Madison. Martinsville.	4,192 296 1,162 4,668	63 55 63 61	14, 529 765 3, 974 17, 912 2, 595	1 98 1 89 1 89 1 94	71, 182 6,560 21, 183 76, 128 6,027	9 69 13 87 10 08 8 80 4 51	3,694 649 2,021 11,020 1,759	1 37 1 27 1 27 1 32	265, 716 15, 770 61, 108 255, 251 44, 356	36 18 33 33 29 07 29 50 33 18

II. TAXES—CITIES, 1920—Continued

Total Tax, 1920	\$53,672,572	72,941 824,555 82,917 85,085 176,429	64,064 63,310 304,363 142,770 462,966	224,999 126,164 294,908 43,724 44,428	250,032 140,189 369,912 293,761 61,889	339,799 99,155 222,164 73,858 21,528	1,158,992 541,990 226,671 2,847,194 3,222,659
Amount	\$0 25	88248	35 114 115 115	23227	228222	24 26 18 22 22 57	. 255 27 27
Memorial	\$136,346	2,111 2,111 224 203 444	222 140 1417 265 712	374 185 1445 100 100	, 521 294 834 842 . 842	806 257 404 162 123	5,305 2,199 2,199 7,379 8,726
Amount	\$0 40	87 90 1 59 1 05	2 31 68 31 51	28 75 29 29 29	52 48 1 19	96 96 96	1 15 19 1 29 05
Poor	\$213,364	633 748 1,356 1,851	1,480 233 2,087 443 2,374	623 617 . 2,204 166 130	1,304	672 214 1,348 269 206	13,264 1,013 36,808 1,600
Amount	\$10 55	18 62 16 60 13 93 5 54 15 49	19 58 34 21 16 89 17 75 19 09	22 39 11 96 18 86 7 18 6 97	13 17 12 57 14 57 6 11 15 40	14 20 18 07 13 92 16 74 60 09	15 18 9 91 19 35 6 43 9 57
Highways, Streets and Bridges	\$5,662,541	136,838 116,552 4,713 27,327	12,542 21,657 51,401 25,342 88,379	. 50,388 15,092 55,629 3,140 3,096	32,938 17,621 53,917 17,969 9,529	48, 254 17, 915 30, 928 12, 366 12, 937	175,966 53,704 43,868 183,094 308,185
Amount	\$1 18	1 21 1 19 1 26 1 12 1 17	. 1 62 . 1 03 64 87 72	78 -69 -71 1 06 -82	97 1 05 1 34 1 11	1 11 1 21 1 22 2 68 2 68	2 14 1 89 1 18 1 21 1 26
Universities	\$632,331	886 9,850 1,047 2,074	1,036 651 1,947 1,239 3,324	1,744 864 2,077 465 363	2,433 1,374 3,981 5,926 686	3,764 1,197 1,887 754 576	24, 759 10, 261 2, 676 34, 432 40, 723
Amount	\$40 67	66 51 40 68 47 88 41 01 44 30	22 20 26 30 35 82 44 39 33 46	37 76 • 46 22 41 66 46 14 38 43	54 99 37 83 38 94 32 70 40 59	48 73 34 18 35 24 35 45 6 39	61 52 69 23 67 92 39 35 31 14
Schools	\$21,827,154	48,511 335,435 39,702 34,896 78,156	33,438 16,654 109,026 63,384 154,886	84,970 58,317 122,859 20,174 17,073	137, 486 53, 032 144, 023 96, 057 25, 119	165,600 33,886 78,291 26,183 1,376	712,996 375,235 153,959 1,120,476 1,003,611
Cittes	Total	Alexandria Anderson Angola Attos Auburn	Aurora Batesville Bedford Bistical Bistical Bloomington	Bluffon. Boonville Brazil Brazil Cannelton.	Clinton Columbia City Columbias Columbias Comeraville Connestylle	Crawfordsville. Crown Point Decatur Delphi.	East Chicago Elkhart Elkhart Elwod Elwod Evansville Fort Wayne

409,273 147,741 91,368 1,975,277 77,336	376,474 115,780 126,683 185,090 897,560	184,762 65,031 542,738 14,903,902 74,645	54,205 287,178 96,194 857,233 804,458	499,828 95,182 225,719 81,757 158,683	734,355 47,312 210,198 865,340 133,688	382,442 611,483 57,284 95,422 64,606	173,388 1,304,561 525,409 350,189 207,839
26 24 41 15	1242228	228228	23 449 24 24	1223262	20 110 20 20 20 20	155339	12 13 13 13 13
914 392 218 8,045 119	802 274 316 386 3,452	385 160 1,240 36,500	. 123 499 473 2,998 1,942	1,099 250 521 208 208 235	1,477 78 78 404 1,822 264	1,121 1,733 75 241 99	316 3,491 1,050 917 395
1 77 1 19 1 19 26	96 96 96 96	52	20 00 00 00 00 00 00 00	88 88 152 155	1 01 1 37 1 32 70 66	1 95 1 09 45 26 26 26	19 65 64 64 64
2,284 1,091 19,542 198	457 527 644 8,631	964	204 1,664 788 4,997	1,831 834 346 392	7,387 649 674 6,081 880	7,476 1,444 622 402 166	1,052 8,728 437 2,292 1,318
15 55 9 24 7 92 18 10 15 11	12 03 17 93 12 01 21 80 12 76	16 66 16 82 8 11 5 92 17 37	19 91 19 23 4 83 16 85 16 05	13 22 10 92 9 19 11 81 17 00	6 17 17 52 16 31 17 92 17 40	15 44 14 59 14 11 14 11 10 15	17 87 12 22 8 96 13 27 12 33
63,648 13,649 7,239 357,512 11,684	45,289 20,762 15,221 40,353 114,502	30,777 10,938 44,029 881,719 12,966	10,793 55,232 4,647 144,417 129,150	66,096 10,389 20,740 9,656 26,978	45,310 8,290 34,283 155,047 23,267	. 59,061 89,232 8,080 14,016 6,555	30,981 159,438 47,062 46,456 25,627
1 24 1 12 1 190 1 72	99 1 10 1 16 97 1 79	1 15 1 07 1 07 1 14	1 06 2 29 1 63 1 13	1 1 03 1 19 1 19 69	94 77 98 92 92	1 37 1 32 1 32 61 1 18	1 25 1 25 1 22 89
305 1,829 1,018 37,541 555	3,741 1,278 1,475 1,802 16,111	1,799 749 5,788 170,331	2,329 2,329 2,205 13,992 9,063	5,127 1,168 2,430 969 1,096	6,895 363 1,886 8,501 1,232	5,233 8,086 349 1,124 463	1,473 16,293 4,899 4,279 1,845
36 111 46 28 48 48 61 41 41 01	42 08 39 64 51 18 29 71 67 54	49 52 40 48 43 34 33 94	36 09 26 39 69 90 34 29 34 39	26.57 38.51 39.04 50.04	42 75 29 36 39 73 38 01 39 26	58 00 36 36 36 48 38 34	37 15 42 94 34 32 36 16 49 94
147,789 68,371 44,290 1,212,971 31,712	158,417 45,895 64,831 54,993 606,170	91,488 26,326 235,258 5,245,025 25,336	19,566 75,787 67,238 293,921 276,676	132,830 36,660 88,133 40,911 64,704	313,974 13,892 83,503 328,909 52,494	221,805 275,493 20,830 34,805 24,773	64,411 560,366 180,326 126,612 103,788
Frankfort. Franklin. Garrett. Gary Gas City.	Goshen Greencastle. Greenfield Greensburg. Hammond	Hartford City Huntingburg Huntington Indianapolis Jasonville	Jasper Jeffersonville Kendallville Kokomo Lafayette	Laporte. Lawrenceburg. Lebanon. Ligonier. Linton.	Logansport. Loogootee. Madison. Marion. Martinsville.	Michigan City Mishawaka. Michell. Monticello Montpelier	Mount Vernon Muncie New Albany New Albany Newvastle Noblesville

II. TAXES—CITIES, 1920—CONTINUED

Total Tax, 1920	\$67,331 369,661 131,787 218,569 219,889	87,087 1,019,282 39,151 130,882 78,288	170,015 217,183 310,999 2,863,230 191,547	100,760 2,966,292 114,490 149,320 204,889	48, 121 47, 494 683, 609 375, 826	175,923 231,879 352,116 125,623
Amount	% 80 82 82 82 82 82 82 82 82 82 83 83 84 84 84 84 84 84 84 84 84 84 84 84 84	27 20 23 15	28 20 28 16 16	25 25 25 20 25 20 20 20	21 12 23 23 23 23 23 23 23 23 23 23 23 23 23 2	25 47 24 24 24
Memorial	\$171 805 334 430 449	2,156 2,156 77 297 118	478 442 442 813 7,860	5,018 2,018 3,24 3,34 3,99	87 1,419 856	432 459 1,666
Amount	\$1 27 85 65 68	88 66 38 25	1 02 1 09 1 09 27	33 41 41 36 49	40 35 38 38	2 05
Poor	\$855 1,113 1,432 1,496	8,983 258 496 197	2, 211 3,388 9,827 522	4, 182 471 540 997	291 191 2,365 1,427	3,602 4,166 995
Amount	\$12 24 9 40 18 97 27 49 18 17	25 30 10 72 5 23 27 99 18 07	9 80 14 89 6 10 6 82 13 34	8 00 6 96 10 25 13 34 13 91	10 54 6 42 17.96 18 95	3 23 11 84 15 69 12 23
Highways, Streets and Bridges	\$8,240 34,747 24,998 60,077 39,949	22,033 109,236 2,047 36,632 14,146	16,661 32,349 18,975 195,283 25,545	8,064 206,580 11,736 19,918 28,504	. 5,071 3,048 122,749 71,205	5,692 27,462 55,264 15,371
Amount	\$1 19. 1 02 1 18 92 95	1 27 99 1 92 1 06	1 31 95 1 22 1 28	94 79 1 15 1 01	85 56 97 1 06	1 15 92 2 21 1 11
Universities	\$798 3,756 1,559 2,005 2,005	1,104 10,061 361 1,388 551	2,232 2,063 3,795 36,681 1,463	23, 418 1, 320 1, 511 1, 511	407 268 6,622 3,995	2,017 2,142 7,776 1,393
Amount	\$39 60 39 03 42 05 34 27 44 75	41 31 44 78 43 79 33 22	41 36 36 70 50 54 42 24 43 07	42 63 42 60 44 43 48 75 74 74	38 77 36 70 32 63 35 21	42 33 70 60 60 99 46 30
Schools	\$26,664 144,276 55,413 74,911 98,389	35,976 456,423 17,144 42,535 26,011	70,322 79,705 157,158 1,209,433 82,508	44,965 1,263,623 50,873 72,791 97,267	18,655 17,431 223,077 132,316	75,297 78,133 211,604 58,164
Civies	North Vernon. Peru. Plymouth Plymouth Princeton	Rensejaer Richmond Rising Sun Rochester Rockport	Rushville. Seymour. Shelbyville South Bend	Tell City. Tere Haute. Tipton. Union City.	Veedersburg Veyay Vincennee Wabash	Warsaw. Washington Whiting. Winchester.

TAXATION 1191

DISTRIBUTION OF TOWNSHIP TAXES—TOWNSHIPS

The following table shows the distribution of taxes paid by townships having no incorporated city or town. The first column under each heading shows the total amount paid for the purpose indicated and the second column the amount out of each \$100 of taxes paid. One township, the name of which is not given, is selected from each county.

III. TAXES-TOWNSHIPS, 1920

-					GENERAL FUND	OND .				
Counties		St.	State .							
	Maintenance	Amount	Benevolent Institutions	Amount	County	Amount	Township	Amount	Libraries	Amount
State Total.	\$33,711	80 87	\$153,192	\$3 95	\$576,181	\$14.87	\$144,435	\$3 73	\$11,602	\$0 30
Adams. Allen. Bartiolomew Benton. Blackford	299 153 101 586 480	96 1 07 1 04 1 05	1,333 688 353 3,104 2,257	4 4 29 3 65 5 55 6 55 6 55	5,647 2,169 1,030 2,894 13,980	18 16 15 12 10 63 5 18	452 466 719 1,315 1,912	1 45 3 25 7 42 3 35 3 07	233	1 62
Boone Brown. Caroll. Cass. Clark.	806 157 370 351 199	1 21 81 1 05 69 85	3,848 398 1,820 1,603 674	5 77 2 06 5 17 3 15 2 89	12,547 5,575 8,761 7,632 2,598	18 83 28 84 24 91 15 00 11 15	1,305 675 925 1,630 800	1 96 2 63 3 20 3 43 43	34 1,087 228	2 14 98
Clay. Clinton. Crawford Davies. Dearborn.	333 421 102 175 91	1 08 1 22 1 22 74	1,253 1,999 1,999 532 532 330	1 87 5 13 2 87 2 64 2 64	10,650 4,824 1,818 2,247 1,713	15 90 12 39 21 80 11 14 13 87	1,062 1,355 1,013 1,081 839	1 59 3 48 12 14 5 36 6 79		
Decatur Dekalb Delaware Dubois. Elkhart	554 326 655 604 604	74 78 86 83 1 24	2,570 1,408 3,105 3,105 1,119 2,844	3 42 3 37 4 06 5 39 5 86	8,045 7,637 10,127 6,810 8,797	10 72 18 28 13 24 20 65 18 11	1,307 1,909 2,631 1,328 1,446	1 74 4 57 3 44 4 03 2 98		
Rayette Floyd Pountain Franklin Futton	369 92 298 135 440	1 06 1 06 1 02 1 02 54	1,749 233 1,256 402 2,097	2 5 6 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	5,481 1,696 6,172 2,063 7,109	14 22 19 49 17 51 15 54 8 67	1,186 1,490 1,021 1,422	3 08 8 16 4 23 7 69 1 73	1,066	1 30
Gibson. Grant. Greene. Hamiton Hancock.	467 393 199 424 645	04 86 1 02 85 85	2,011 1,804 843 1,938 3,055	2 74 3 3 96 4 64 4 64	6,559 7,515 2,971 5,118 12,681	8 94 16 49 13 70 12 25 16 63	4, 154 2, 141 1, 144 1, 642 3, 107	5 66 4 70 4 93 4 08	170	3 15

HI. TAXES-TOWNSHIPS, 1920-CONTINUED

					GENERAL FUND	TUND				
Countes		St	State							_
	Maintenance	Amount	Benevolent Institutions	Amount	County	Amount	Township	Amount	Libraries	Amount
St. Joseph Scott Shelby Shelby Shencer Starke.	\$708 150 550 546 546	\$1 02. 76 91 70 84	\$3,175 510 2,590 2,075 1,103	\$4 2 59 2 59 2 53 2 65 3 77	\$8,511 4,019 6,873 29,774 3,740	\$12 33 20 39 11 42 38 00 12 77	\$1,614 692 3,512 1,758 1,870	\$2 3 34 5 84 5 84 5 84 6 39	\$1,345	\$1 95 2 19
Steuben. Sullivan. Switzerland Tipton.	78 431 197 491 705	82 78 81 81 1 12	339 1,926 522 2,341 3,418	3 58 3 50 2 16 5 40 5 41	1,380 9,572 5,414 6,539 4,888	14 57 17 37 22 35 11 29 7 73	1,150 327 1,326 1,191 1,738	12 15 59 5 47 2 05 2 75	619	2 56
Union Vanderburgh. Venerillion Vigo.	393 868 868 343	1 39 84 89 60	1,985 1,739 4,300 1,586	7 02 3 80 2 44 2 79	5,497 6,426 15,307 13,373	19 45 14 05 15 70 23 54	1,009 974 8,747 1,075	3 57 2 13 8 97 1 89	673 295	2 38
Wabash. Warren. Warrick. Washington.	796 847 71 116	1 07 1 03 1 03 79	3,780 4,501 178 352	25270 25770 40770	14, 734 7, 797 1, 837 2, 802	12 71 9 88 26 50 19 09	3, 203 7, 628 598 1, 195	2 76 9 67 8 63 8 14		
Wayne Walis White Whitley	249 669 479 346	86 1 04 93	1,122 3,060 2,418 1,490	3 2 2 7 3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	3,445 12,966 6,285 3,789	11 88 16 38 13 69 10 15	2,593 1,229 2,021	3 28 2 28 5 42 42	190	66

1	1 9	094 345 689 348	646 333 165 861 302	53183	067 786 483 970 563	536 701 245 008	369 567 691 238
Total Tax, 1920	\$3,875,146	31,0 14,0 9,8,6 62,8,8,6	66, 35,13 23,88	66,970 38,945 8,341 20,163 12,354	75,00 77,00 32,94,48	8 0 2 2 2 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9	85.25.145 8.7.25.25.25.25.25.25.25.25.25.25.25.25.25.
Amount	\$0 40	44 49 37 37	38225	19 22 27 27 28	84488	28 38 31 26	80 94 44 44 44
Memorial	\$15,579	136 70 316 229	391 40 185 163 69	127 203 24 54 34	261 143 316 114 114 289	178 24 128 41 213	205 184 184 86 197 311
Amount	\$0 35	94	1 96 70 27	1 34	1 74	2 26 60	23 66 1 57 68
Poor	\$13,614	526	1,305 135 136	270	1,307	197 213	170 143 657 518
Amount	\$31 18	47 15 42 05 30 54 39 44 21 84	30 24 24 90 38 51 25 06 37 21	29 46 38 10 20 35 18 27 28 48	40 44 27 35 29 52 37 92 36 62	29 16 15 35 25 91 36 72 53 70	31 78 36 85 38 81 34 52 35 25
Highways, Streets, and Bridges	\$1,208,338	14, 661 6,032 2,959 22,044 13,616	20,155 4,815 13,541 12,745 8,670	19,733 14,837 1,697 3,684 3,519	30,357 11,431 22,575 12,501 17,785	11,237 1,336 9,130 4,875 44,041	23,318 16,789 8,419 14,417 26,875
Amount	\$1 86	2 27 1 73 1 73 1 72	2 74 98 2 46 1 50 1 37	89 17 1 35 1 25 1 25	1 62 1 92 1 92 2 78	2 15 1 26 1 69 1 44 1 21	1 30 1 88 1 84 1 90
Universities	\$71,818	632 326 168 1,473 1,071	1,826 189 864 761 320	595 68 113 252 157	1,219 668 1,473 1,350 1,350	830 110 596 191 995	955 856 400 919 1,450
Amount	\$42 49	25 52 29 33 44 62 41 34 45 89	36 70 37 84 24 74 48 67 41 82	49 60 39 13 39 98 58 86 45 90	39 23 43 71 45 86 31 22 31 81	45 43 49 46 45 29 34 25 30 03	48 20 34 86 34 51 36 25 36 20
Schools	\$1,646,676	7,934 4,208 4,323 23,102 28,612	24,463 7,315 8,699 24,753 9,744	33,217 15,238 3,335 11,868 5,671	29,447 18,264 35,075 10,292 15,448	17,506 4,303 15,962 4,546 24,625	35,360 15,885 7,486 15,137 27,596
Counties	State Total	Adams AMen AMen Battlolomew Benton Blackford	Boone Brown Carroll Cass Clark	Clay. Clinton. Crawford Davies. Dearborn	Decatur Dekalb Delaware Dubous Elkhart	Fayette Floyd. Foursin Frankin Fulton	Gibson Grant, Greene Hamiton Hancock

III. TAXES-TOWNSHIP, 1920-CONTINUED

Total Tax,	\$12,327 \$2,609 52,609 50,885 61,234	25,573 15,468 40,351 21,791 42,250	56,455 87,410 21,349 44,717 76,235	24,541 16,579 28,432 69,691 65,485	16,578 55,930 9,997 49,752 29,504	65,769 56,428 11,025 12,539 12,772	26,514 8,810 40,657 47,109 41,405
Amount	\$0 20 38 59 51 41	84 55 88 88 88 88 88 88 88	25 25 37 25 37	36 25 39 39	20 39 17 555	57 27 18 18	25 26 26 33 33 33 33
Memorial	\$25 201 307 260 260 253	122 58 58 175 65 118	263 221 122 167 167 406	2,4 42 162 363 256	34 220 17 275 86	375 243 30 33 34	66 23 104 196 196
Amount		\$0 79	1 25		1 74 86	72 45 45	1 66
Poor		\$203			288 86	405 50	439
Amount	\$40 45 54 98 24 93 27 12 33 31	39 56 39 81 42 62 31 88 22 32	39 50 27 38 23 71 16 80 39 01	35 39 24 04 28 42 7 73 17 55	32 60 24 13 35 39 12 81 29 08	47 42 14 99 19 41 31 84 27 02	32 68 21 96 27 73 44 23 36 14
Highways, Streets, and	\$4,986 28,927 13,000 13,799 20,395	10,116 6,158 17,197 6,948 9,430	22,301 23,932 5,062 7,510 29,736	8,684 3,986 8,081 5,389 11,492	5,405 13,493 3,538 6,374 8,579	31,188 8,460 2,140 3,992 3,451	8,665 1,935 11,274 20,838 14,963
Amount	\$0 93 1 78 2 75 1 93 1 93	1 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	2 17 1 18 2 67 1 75 2 49	1 18 2 66 2 45 1 83	1 83 1 83 80 2 58 1 36	2 66 2 01 1 27 1 24	1 16 1 23 1 20 1 94 1 54
Universities	\$115 937 1,433 1,211 1,182	568 270 818 305 551	1,227 1,033 569 782 1,897	415 196 757 1,695 1,196	1,024 1,024 80 1,284 401	1,750 1,134 1,134 140 106 158	308 108 108 486 913 636
Amount	\$34 21 23 15 40 48 51 96 42 28	25 51 32 43 33 62 42 66 54 33	42 09 53 40 47 11 63 79 33 91	32 07 49 21 40 30 51 66 62 96	37 56 50 52 40 58 59 42 54 03	28 43 61 69 46 51 43 10 40 11	41 43 48 40 36 98 35 32 35 17
Schools	\$4,217 12,177 21,106 26,438 25,889	6,524 5,016 13,567 9,297 22,956	23,759 46,677 10,058 28,526 25,852	7,870 8,159 11,459 36,002 41,232	6,227 28,257 4,057 29,563 15,941	18,697 34,811 5,128 5,404 5,123	10,984 4,264 15,037 16,641 14,563
Countes	Harrison. Hendricks Henry Howard Howard Huntington	Jackson Jasper Jay Jefferson. Jennings	Johnson Knox. Knosiusko Lagrange Lake	Laporte Lawrence Lawrence Madison Marton Marshall	Martin Manni Monre Montgomery Morgan	Newton Noble Oblio Orange Owen.	Parke Piery Pike Porter Posey

24,961 35,776 47,444 32,768 54,606	69,028 19,713 60,154 78,345 29,289	9,470 55,094 24,222 57,921 63,202	28, 264 45, 743 · 97, 501 56, 820	115,934 78,910 6,931 14,680	29,002 79,132 45,900 87,320
22.24 4.23.33 4.23.25 4.23.25	26 26 44 38	37 36 22 55 55	25 45 28 28	24 24 24 24 24	39 39 54 41
82 100 207 76 78	323 52 263 211	35 196 53 238 348	202 177 437 161	384 458 18 36	114 311 246 152
	44 44	46	1 07 1 50 1 50 38	55	99
126	86	290	303 295 1,458 215	641	190
34 42 28 04 29 07 29 60 28 44	26 43 30 67 32 48 11 63 21 00	23 61 22 23 22 23 37 62 23 74	22 62 56 95 22 35 29 29	40 84 35 67 21 14 24 38	21 89 23 53 41 87 37 84
8,592 10,033 13,795 9,699 15,529	18,243 6,046 19,538 9,109 6,152	2,236 18,249 5,385 21,788 15,006	6,392 26,050 21,795 16,640	47,343 28,148 1,465 3,579	6,350 18,619 19,218 14,121
1 54 1 30 1 08 1 08 2 42	2 18 2 04 1 26 1 79	1 70 1 66 1 02 1 92 2 57	3 33 1 80 2 09 1 33	1 55 2 71 1 21 1 14	1 83 1 83 2 50 1 89
383 466 968 353 1,321	1,507 242 1,229 985 524	161 914 248 1,111 1,622	942 825 2,041 753	1,794 2,136 84 167	532 1,452 1,147
44 69 48 45 48 69 44 06	48 68 37 96 42 56 42 80 53 06	43 20 42 62 43 18 41 82 55 67	38 45 18 75 43 64 39 90	37 31 34 72 38 23 43 82	54 68 49 54 32 41 38 02
11,156 19,897 22,985 15,956 24,058	33,602 7,484 25,599 33,535 15,542	4,091 23,479 10,458 24,222 35,187	10,868 8,577 42,548 22,674	43,259 27,395 2,650 6,433	15,859 39,203 14,878 14,189
Pulaski. Putnam. Randolph. Riphey. Rush.	St. Joseph. Scott Saleby. Spencer Starke.	Steuben. Soulivan. Switzerland Tippecanoe.	Union. Vanderburgh. Vermillion. Vigo.	Wabash Warren Warrick Washington	Wayne. Wells White

CONGRESSIONAL TOWNSHIP SCHOOL FUND, 1921

First Decennial Readjustment (Acts 1919)

Prepared by the State Superintendent of Public Instruction

	T 4	D: :1.1	T
Counties	Interior	Divided	Total of
	Townships.	Townships	County
Adams. Allen. Bartholomew Benton. Blackford	\$14,394 37 56,430 16 50,315 84 24,822 85 7,127 84	\$4,182 13 7,726 75 15,493 30 847 28	\$18,576 50 56,430 16 58,042 59 40,316 15 7,975 12
Boone Brown Carroll Cass Clark	19,879 36	7,037 39	26,916 75
	5,787 82	2,726 92	8,514 74
	14,100 24	16,348 30	30,448 54
	21,837 54	10,580 15	32,417 69
	2,990 00	13,300 03	16,290 03
Clay. Clinton. Crawford. Daviess. Dearborn.	7,595 40	2,768 40	10,363 80
	13,156 09	15,972 80	29,128 89
	6,305 70	5,195 18	11,500 88
	13,346 69	5,998 96	19,345 65
	26,097 27	2,649 51	28,746 78
Decatur. Dekalb. Delaware. Dubois. Elkhart.	9,076 93 17,684 00 8,489 23 8,663 55 39,602 15	9,528 09 8,119 83 5,930 20	21, 158 76 17, 684 00 18, 017 32 16, 783 38 45, 532 35
Fayette. Floyd. Fountain. Franklin. Fulton.	5,544 28	12,812 23	18,356 51
	12,915 00	11,422 46	24,337 46
	14,154 26	12,212 76	26,367 02
	45,328 41	10,882 45	56,210 86
	20,167 07	1,881 51	22,048 58
Gibson. Grant. Greene. Hamilton. Haneock.	16,088 66 21,581 92 18,555 97 25,481 82 3,701 70	14,912 30 7,372 57 2,874 09 7,102 57	31,000 96 28,954 49 18,555 97 28,355 91 10,804 27
Harrison Hendricks Henty Howard Huntington	22,206 72	9,657 80	31,864 52
	16,415 09	6,828 98	23,244 07
	17,381 66	4,848 76	22,230 42
	8,246 00	13,906 19	22,152 19
	27,387 40	8,030 83	35,418 23
Jackson Jasper Jay Jefferson Jennings	10,961 51	7,857 70	18,819 21
	49,138 50	13,671 30	62,809 80
	17,466 03	5,169 18	22,635 21
	19,346 60	13,072 23	32,418 83
	8,163 30	3,869 18	12,032 48
Johnson Knox Kosciusko Lagrange Lake	12,953 87 23,523 01 21,114 61 17,576 80 28,650 48	4,667 01 19,103 43 7,039 00 6,208 03	17,620 88 42,626 44 28,153 61 17,576 80 34,858 51
Laporte Lawrence Madison Marion Marshall	47, 199 63	8,479 25	55,678 88
	10, 927 66	4,623 12	15,550 78
	6, 364 88	17,494 48	23,859 36
	6, 162 62	12,158 78	18,321 40
	15, 738 80	5,656 22	21,395 02
Martin. Miami Monroe. Montgomery. Morgan	10, 152 29	3,119 68	13,271 97
	17, 834 54	11,873 63	29,708 17
	27, 335 22	5,855 00	33,190 22
	17, 068 74	6,398 21	23,466 95
	15, 161 42	4,754 82	19,916 24
Newton Noble. Ohio	48,015 20 20,272 79	347 73 798 23 9,824 87	48,362 93 21,071 02 9,824 87
Orange. Owen.	8,278 50 15,729 95	5,490 62 3,180 62	9,824 87 13,769 12 18,910 57

CONGRESSIONAL TOWNSHIP SCHOOL FUND, 1921—Continued

Counties	Interior	Divided	Total of
	Townships	Townships	County
Parke. Perry. Pike Porter Porter Posey.	32,118 21	1,775 78	33,893 99
	18,691 42	13,770 00	32,461 42
	3,450 00	13,753 91	17,203 91
	20,413 20	3,809 15	24,222 35
	37,935 12	5,200 64	43,135 76
Pulaski. Putnam Randolph. Ripley. Rush	25,293 12 21,731 60 27,825 70 10,769 29 11,125 24	3,774 25 5,273 94 7,979 80 12,755 08	25, 293 12 25, 505 85 33, 099 64 18, 749 09 23, 880 32
St. Joseph	28,785 59	8, 163 53	36,949 12
Scott	1,691 50	6, 326 29	8,017 79
Shelby	12,681 75	5, 095 28	17,777 03
Spencer	14,031 86	11, 702 89	25,734 75
Starke	7,461 32	7, 355 11	14,816 43
Steuben. Sullivan. Switzerland. Tippecanoe. Tipton.	16,774 68 15,462 26 12,353 35 31,679 56 26,029 83	5,971 47 11,120 52 2,290 94	16,774 68 15,462 26 18,324 82 42,800 08 28,320 77
Union Vanderburgh. Vermillion. Vigo.	11,201 93	18,377 58	29,579 51
	18,929 26	2,527 94	21,457 20
	24,609 03	9,758 42	34,367 45
	57,028 27	129 85	57,158 12
Wabash.	21,607 53	10,945 91	32,553 44
Warren.	46,712 17	8,257 91	54,970 08
Warrick.	10,200 40	10,747 37	20,947 77
Washington.	18,234 33	10,518 63	28,752 96
Wayne	23,615 04	21,274 75	44,889 79
Wells	24,065 96	1,915 47	25,981 43
White	30,890 84	14,804 05	45,694 89
Whitley	17,289 67	478 94	17,768 61
Total	\$1,798,684 97	\$687,800 27	\$2,486,485 24



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Academy of Science		Auto Theft Fund	
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			390
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members, list of	1104		391
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Apiary Inspection	262	savings, resources.	402
Appellate Court		state, incorporated	391
disbursements	24		395
disbursements of reporter	24	see also, Trust Companies	
disbursements and receipts of clerk	24	Barley	
report of clerk	760		765
Apples			775
farm value, United States	765		765
production, 1920-1921	768		768
production, United States	765		765
value, 1920-1921	768	· ·	768
Appropriations, Specific		Battle Flag Commission	
disbursements	32	disbursements	32
Assessments		Beans	
banks	932	acreage, United States	765
building and loan associations	960	farm value, United States	765
electric railways	903	production, United States	765
express companies	918	Bees	
pipe line companies:	919	colonies of	793
public utilities	954		262
railroads	896	Benevolent Institution Fund	102
sleeping car companies	919	advancements and transfers	01
telegraph companies	919		21
telephone companies	906		56
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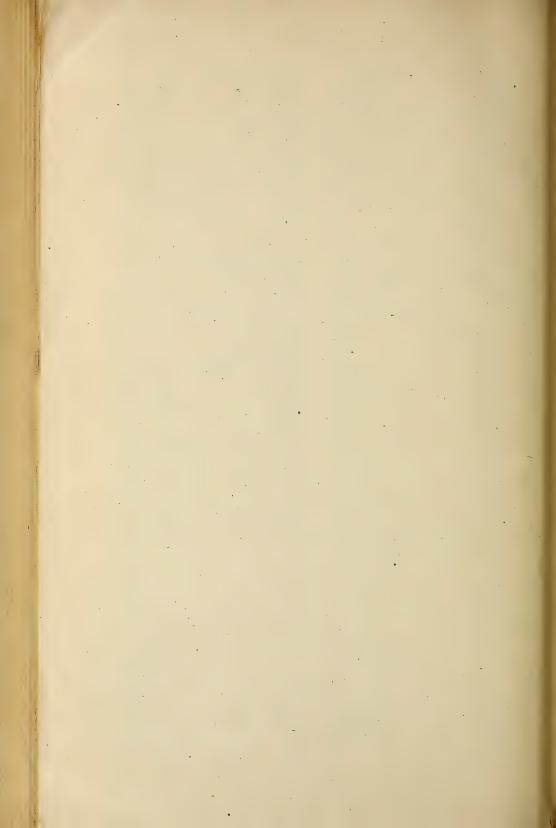
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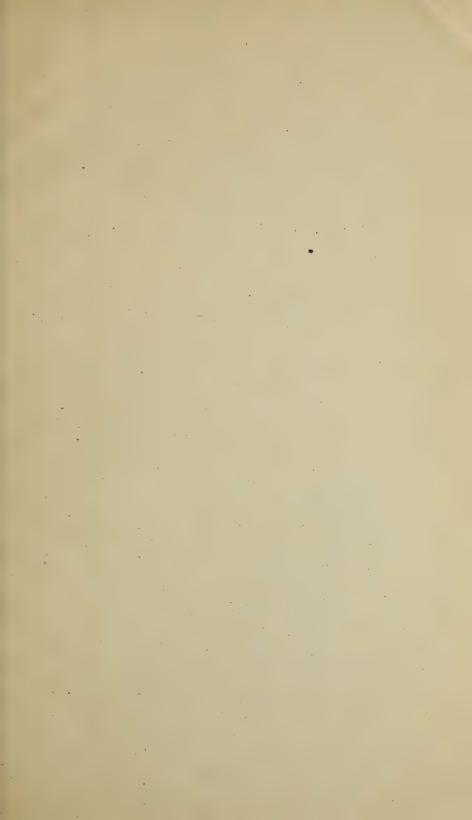
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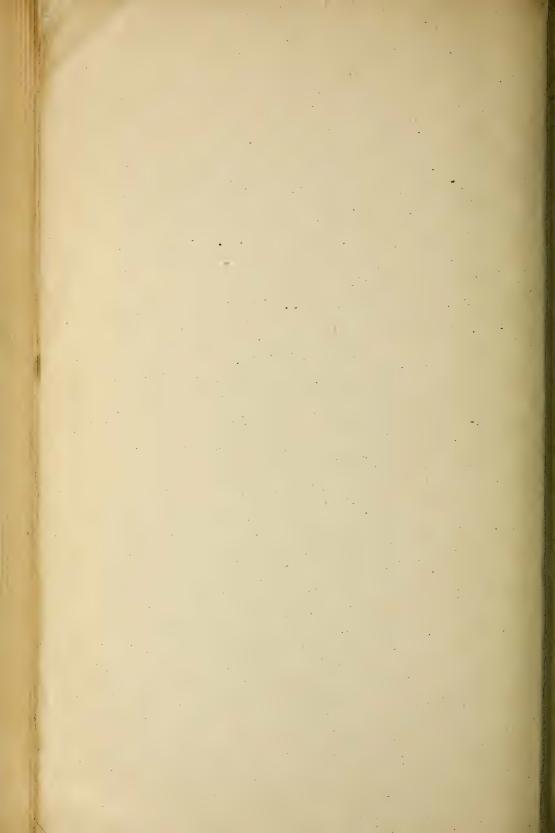
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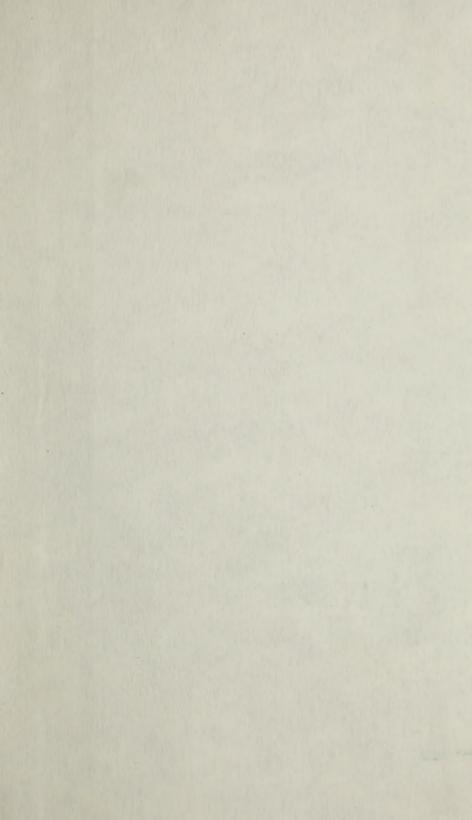


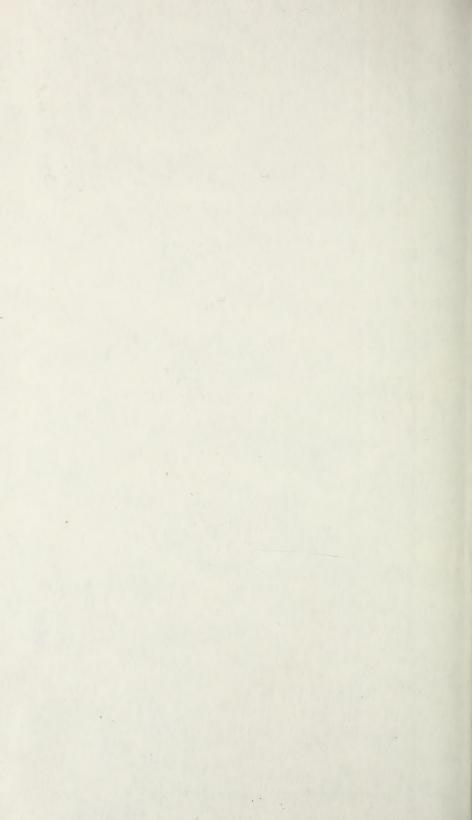












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